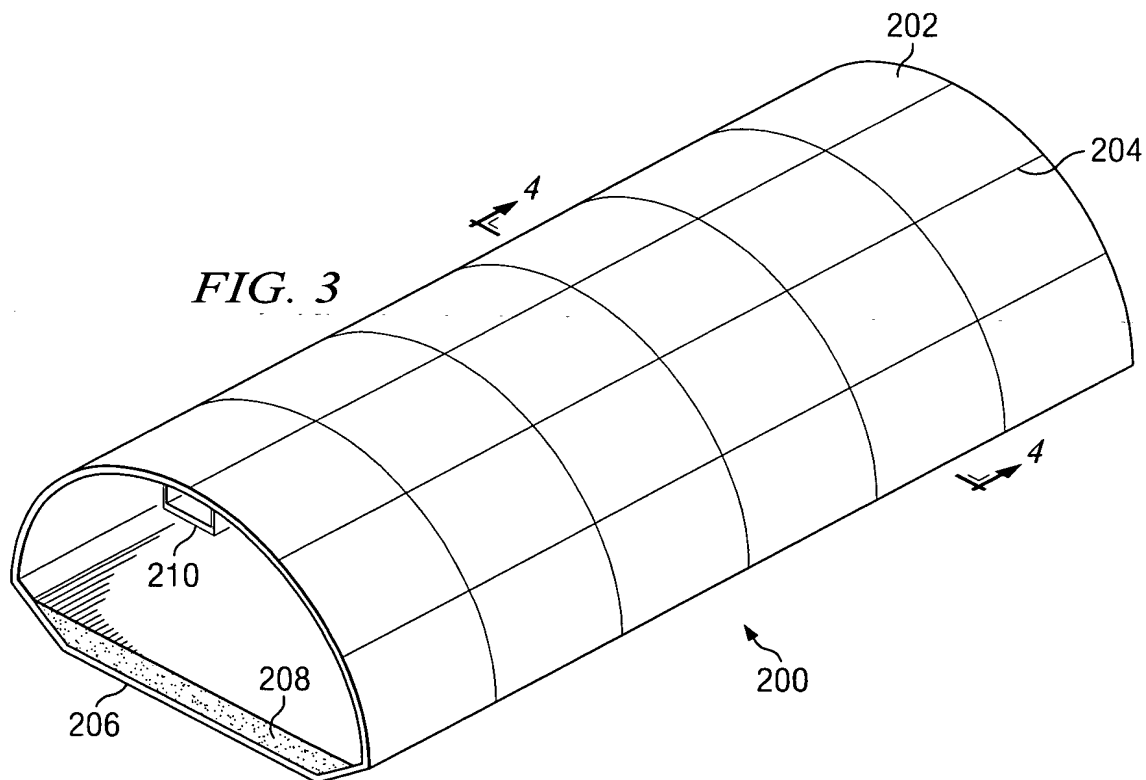
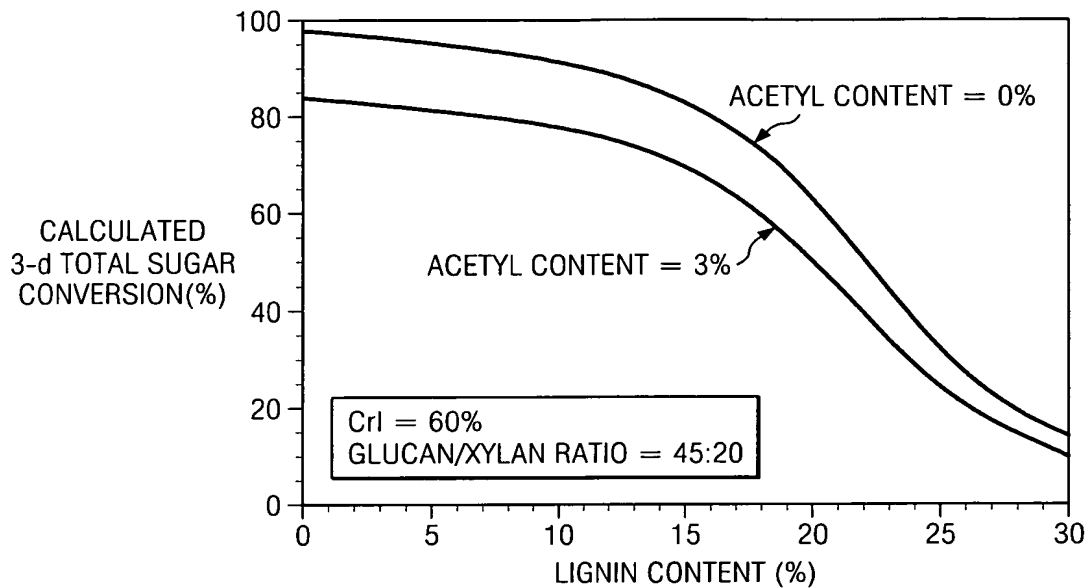


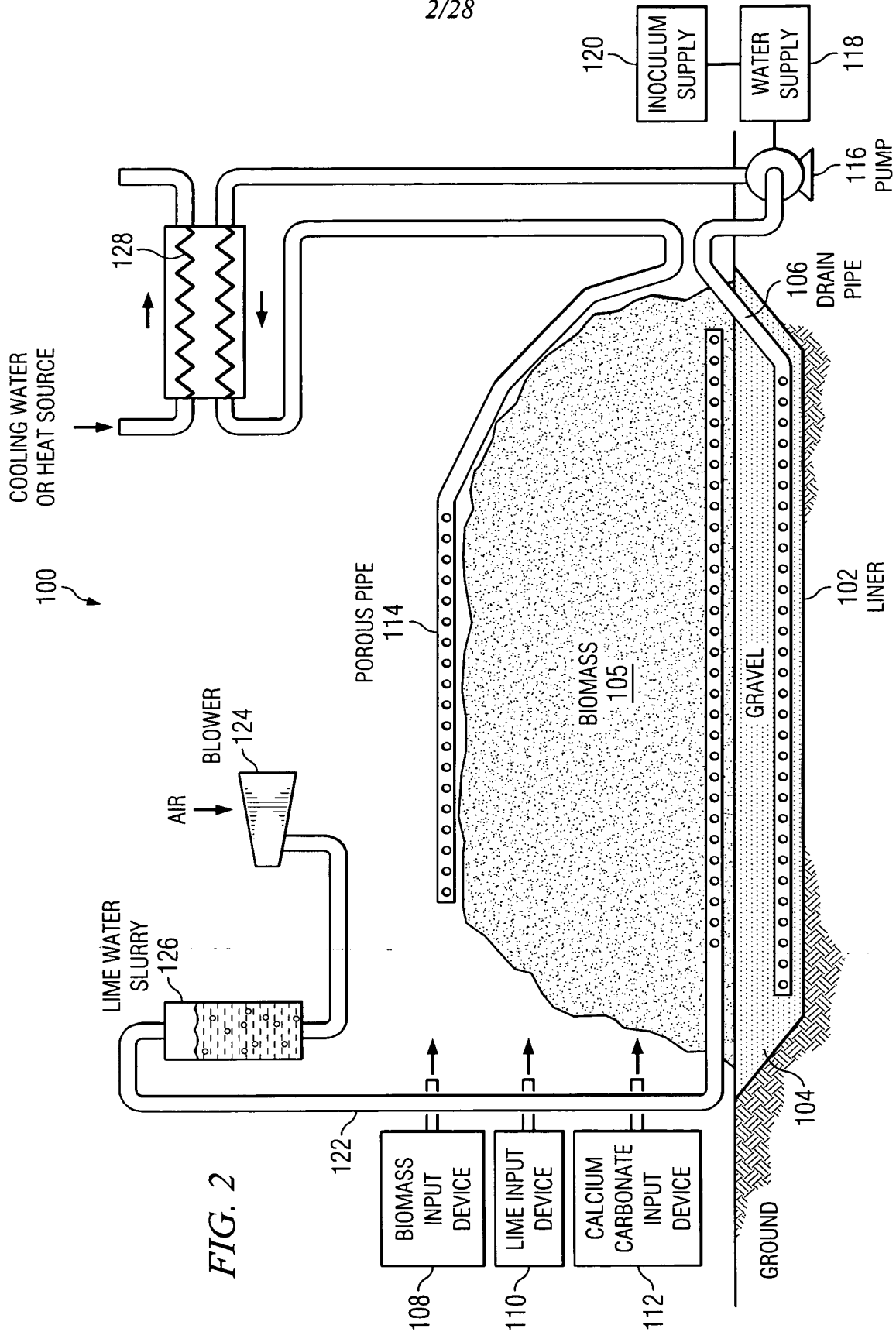
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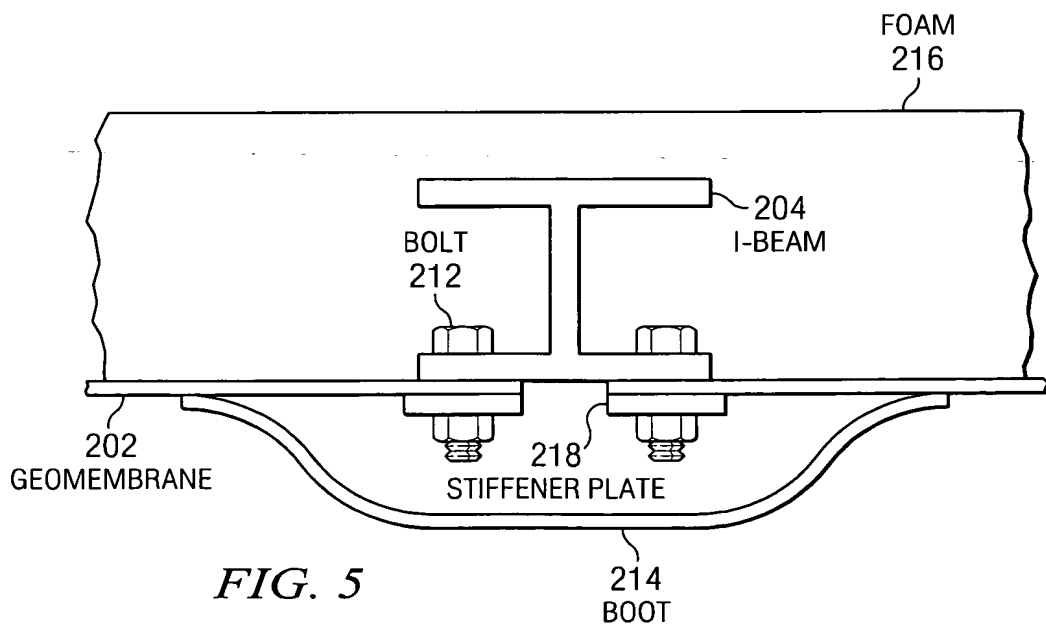
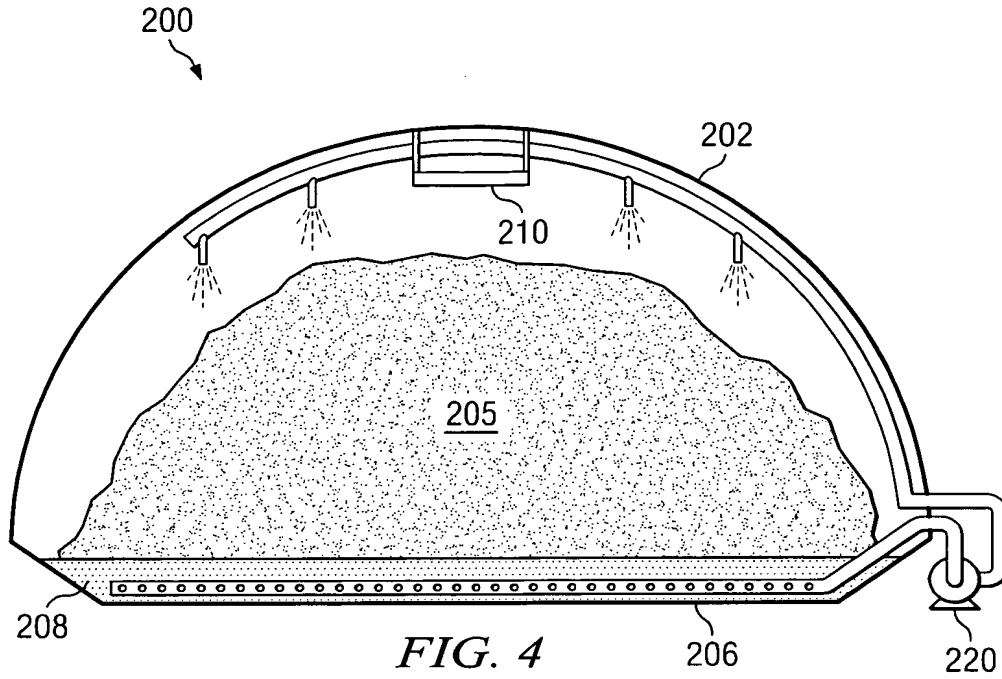
**FIG. 1**  
(PRIOR ART)



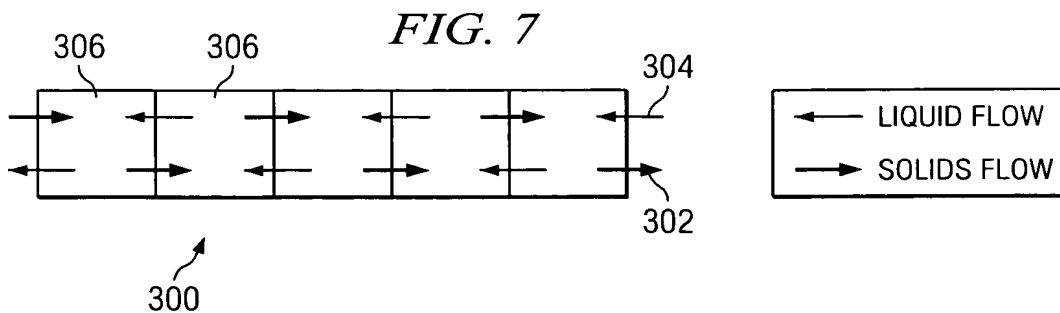
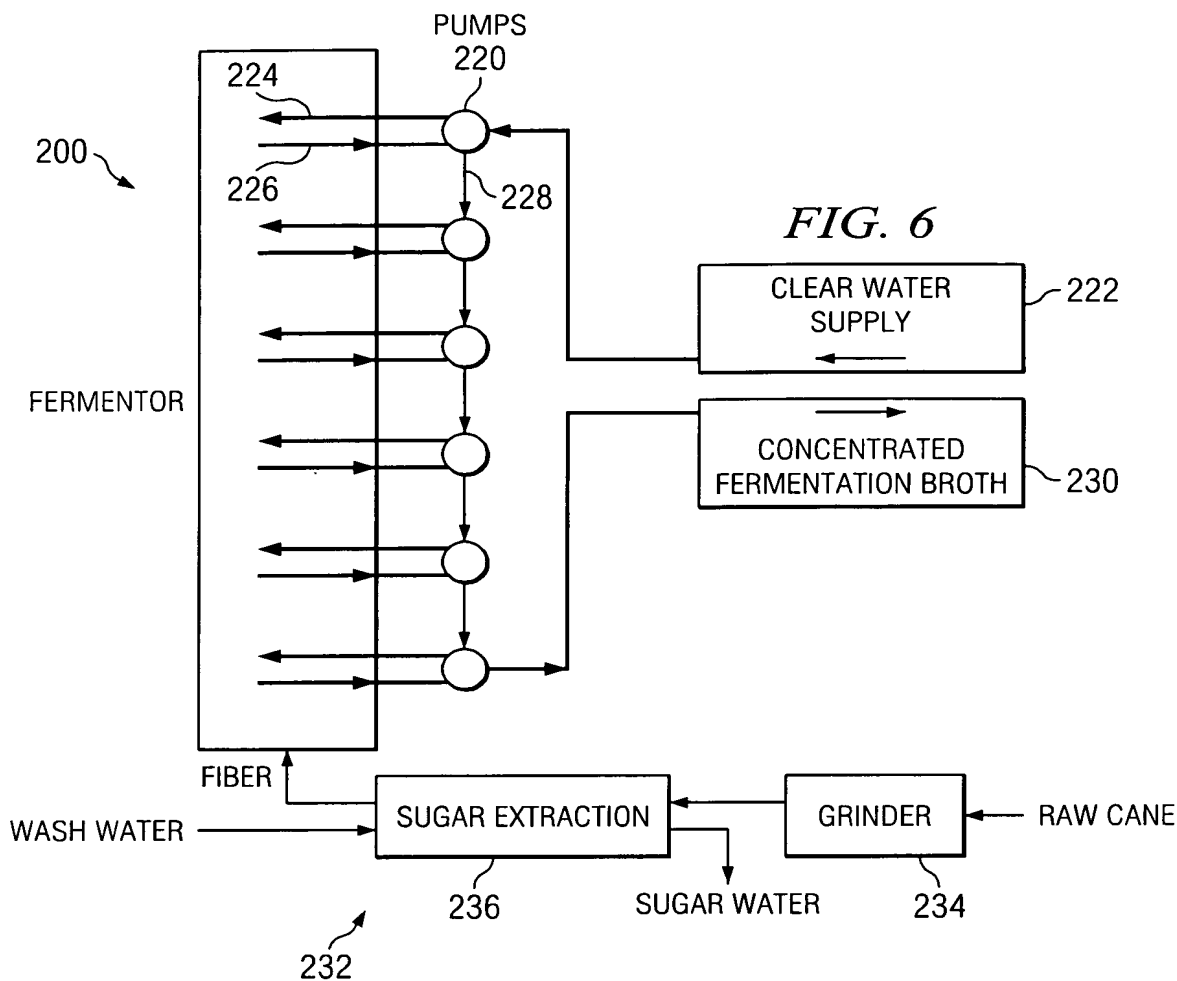
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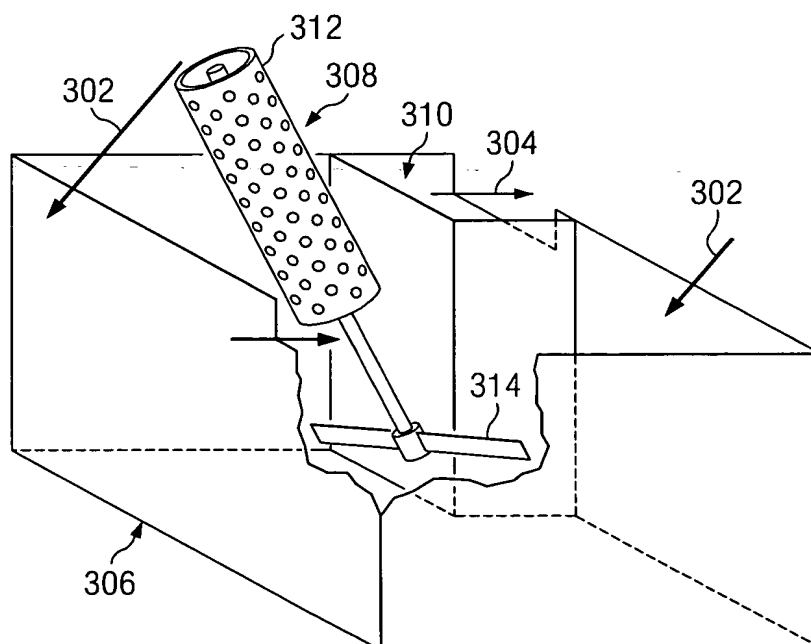
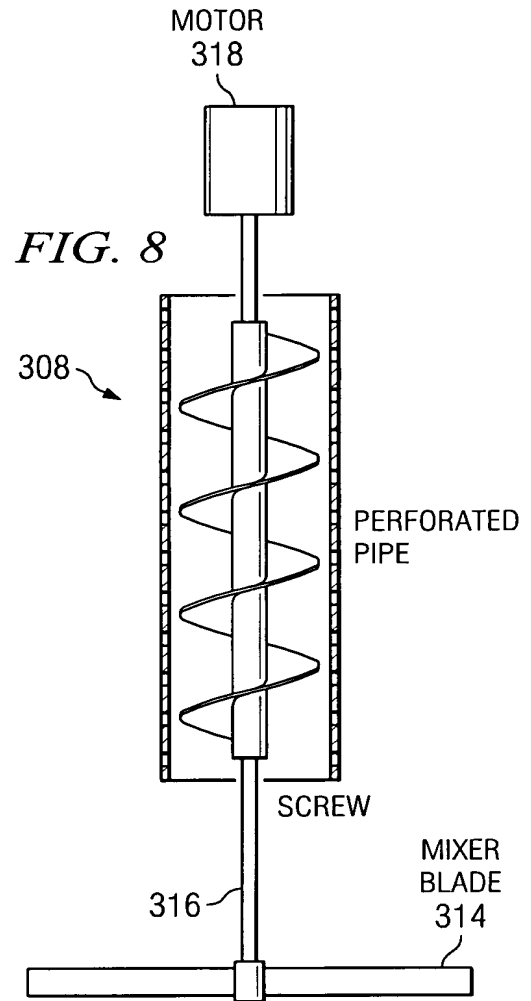
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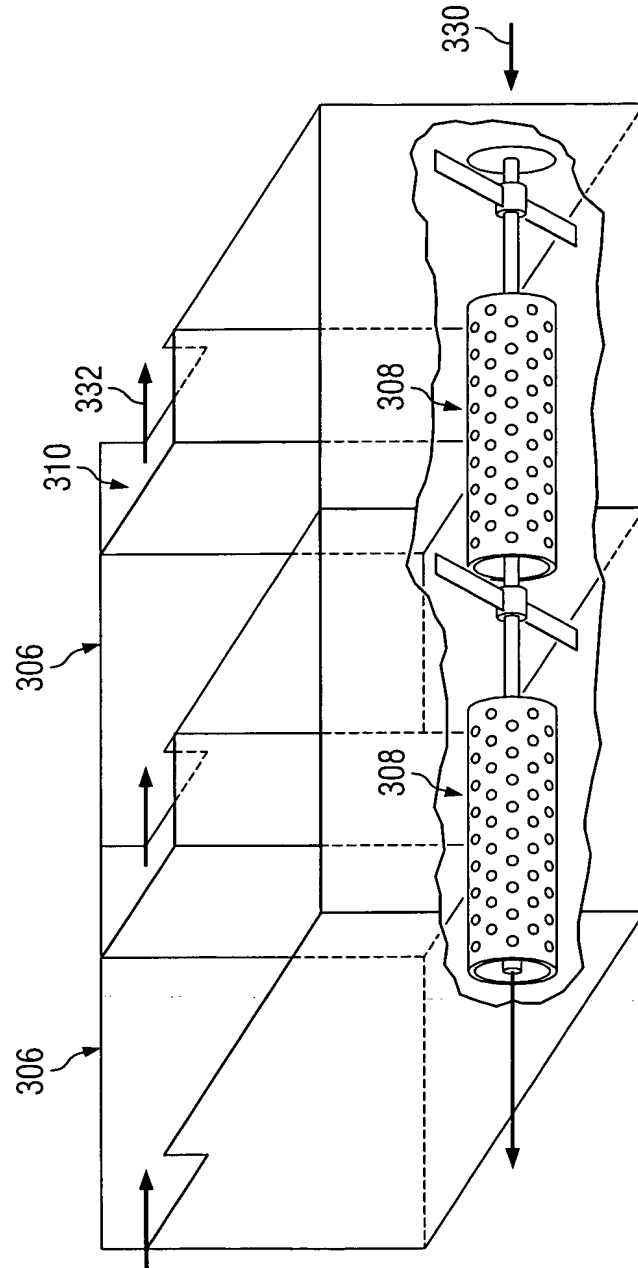
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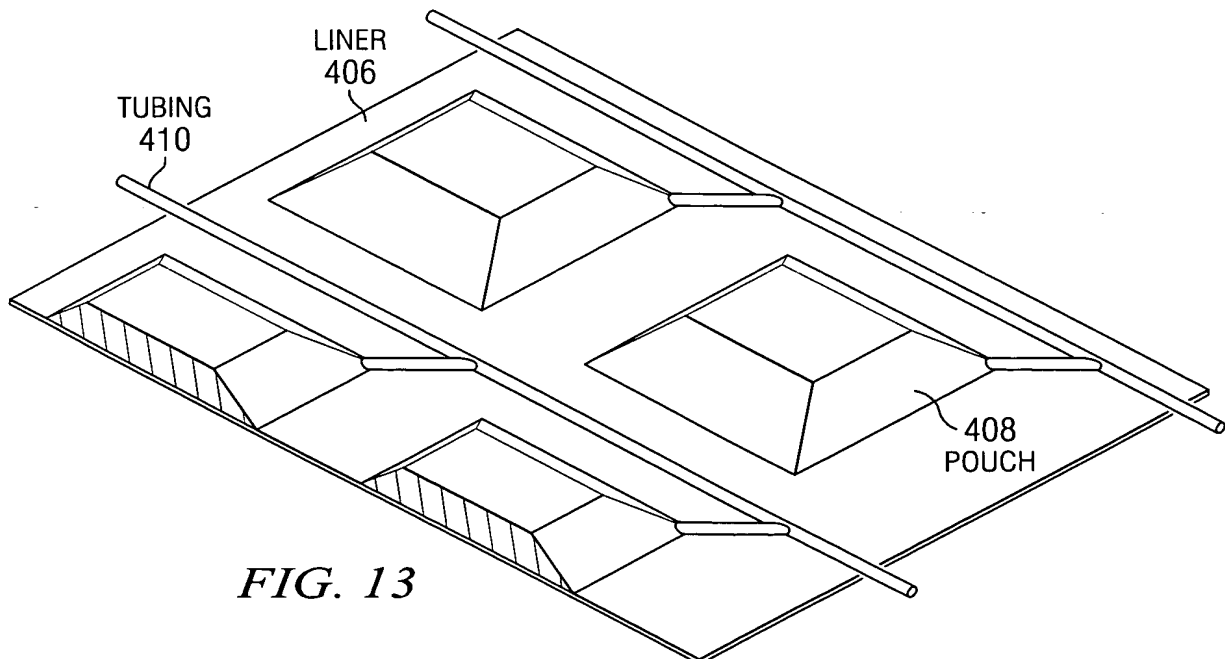
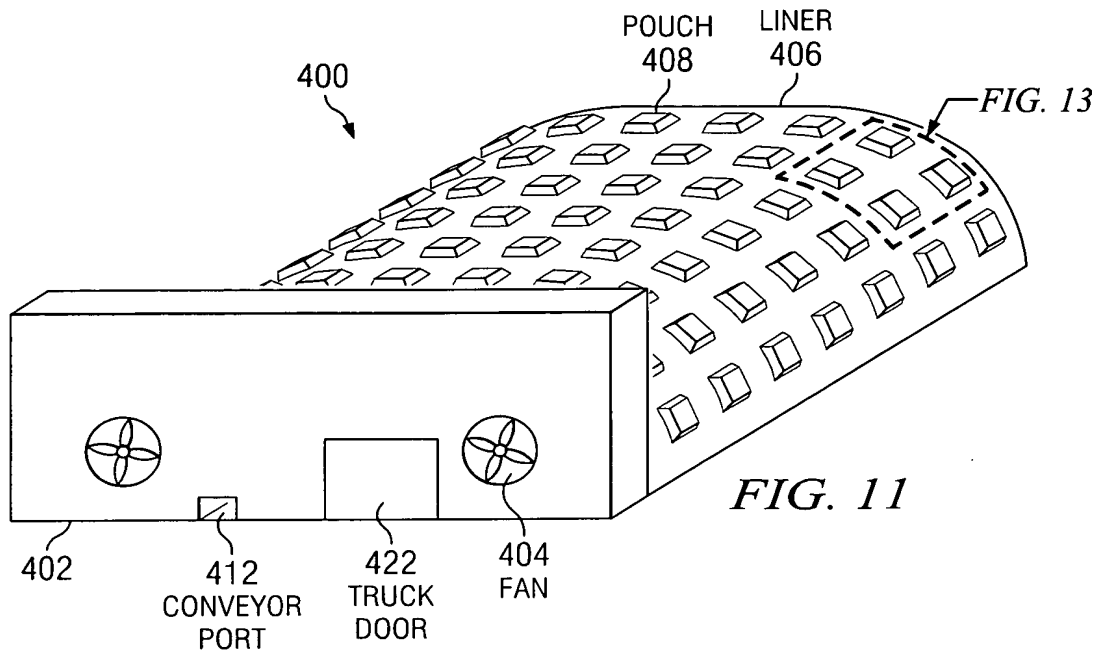
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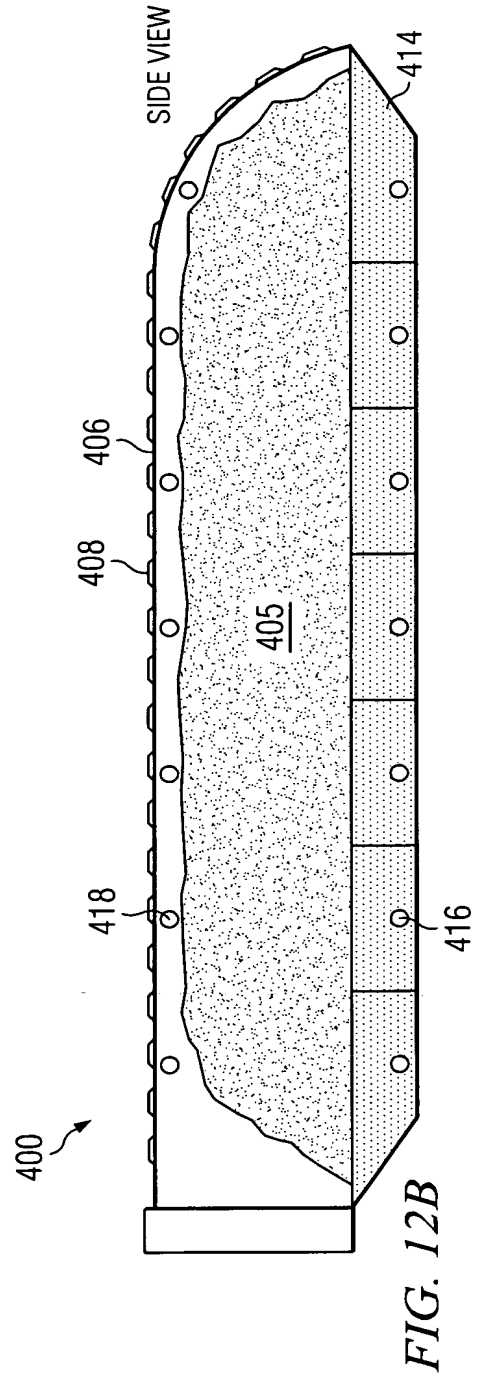
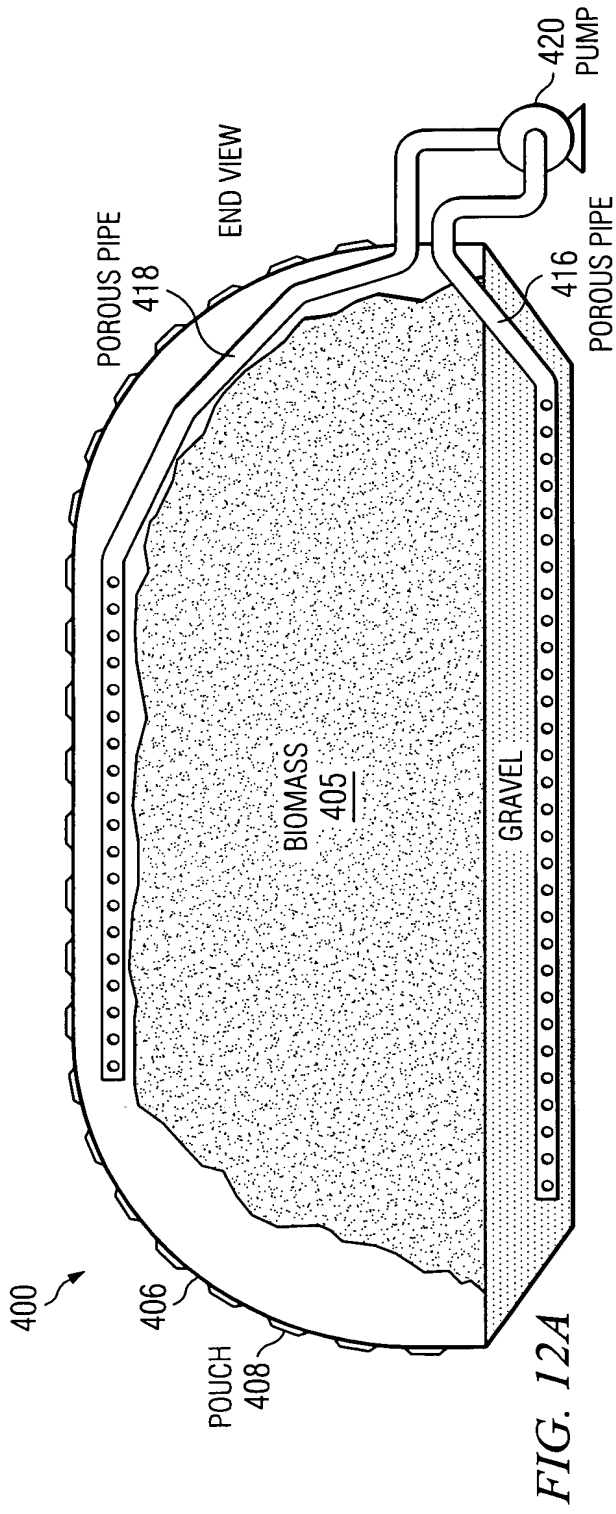
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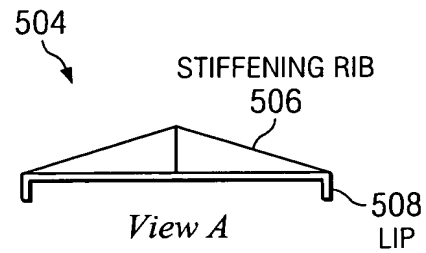
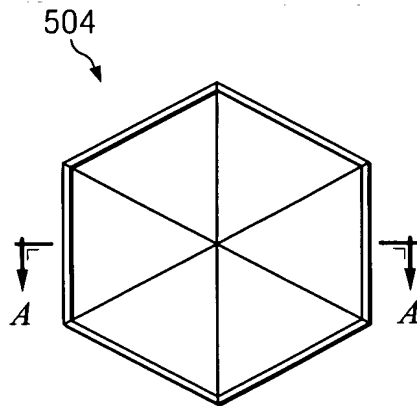
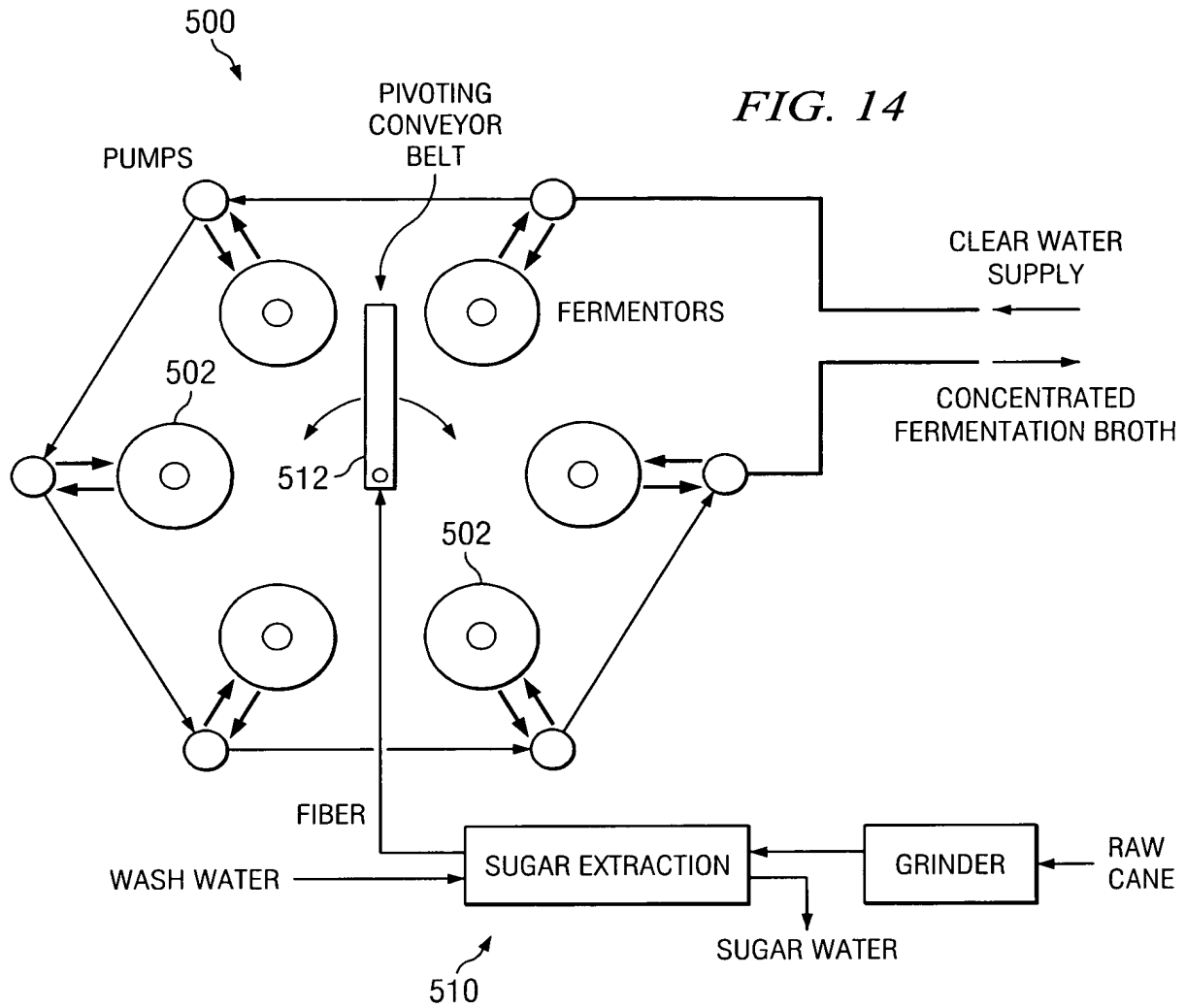
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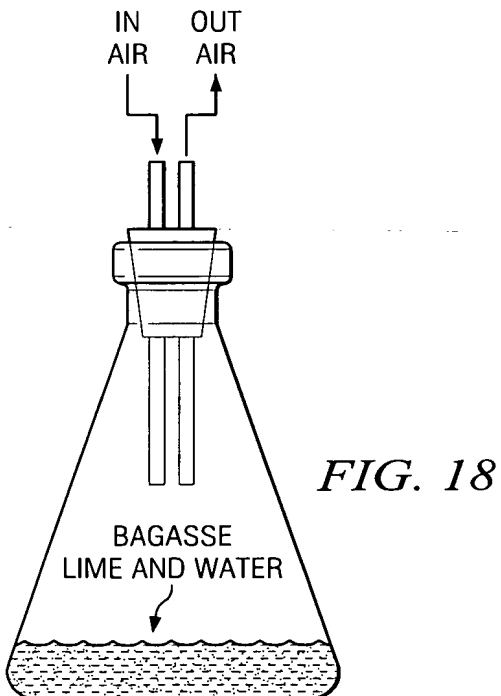
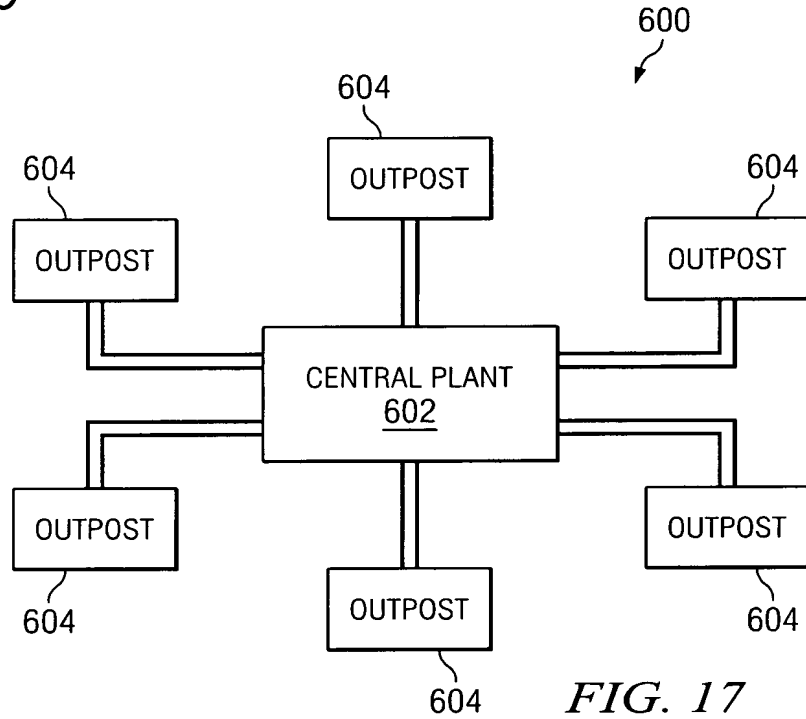
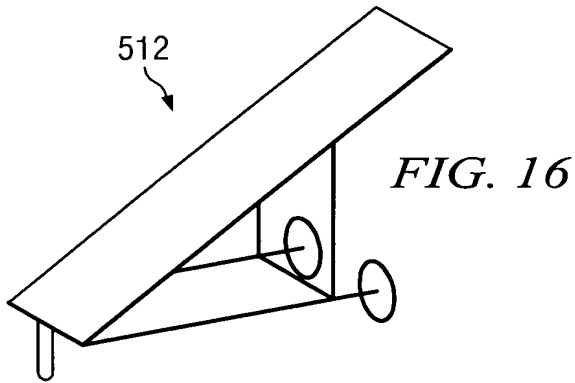
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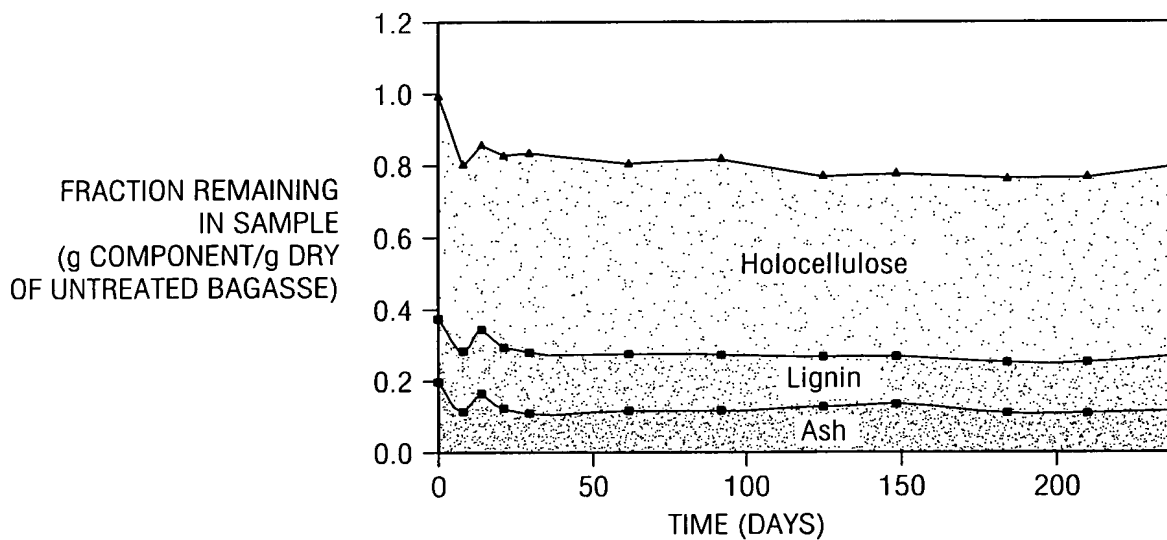


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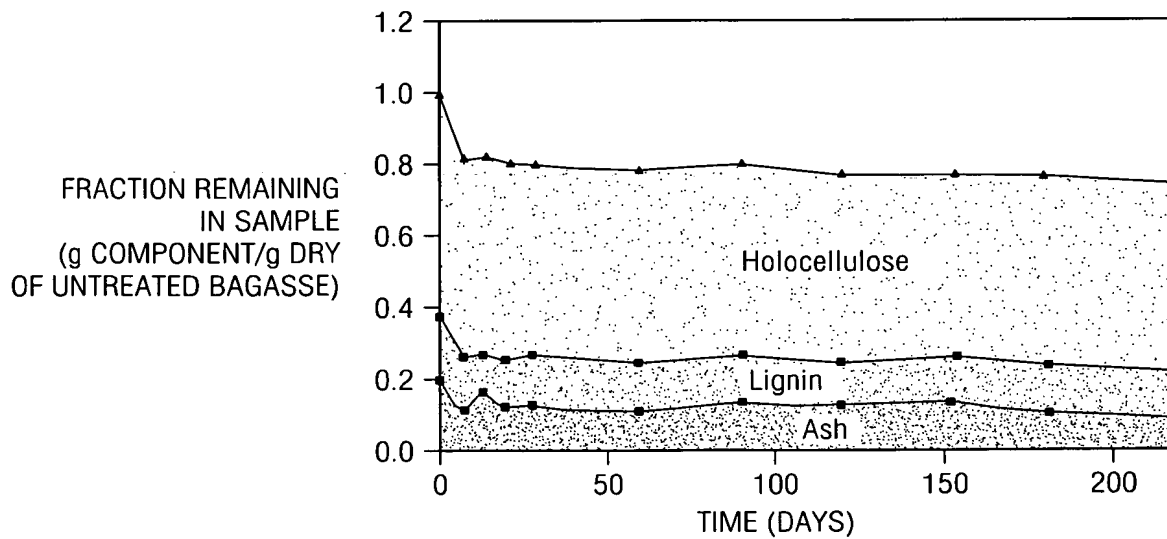


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**FIG. 19**



**FIG. 20**



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FIG. 21

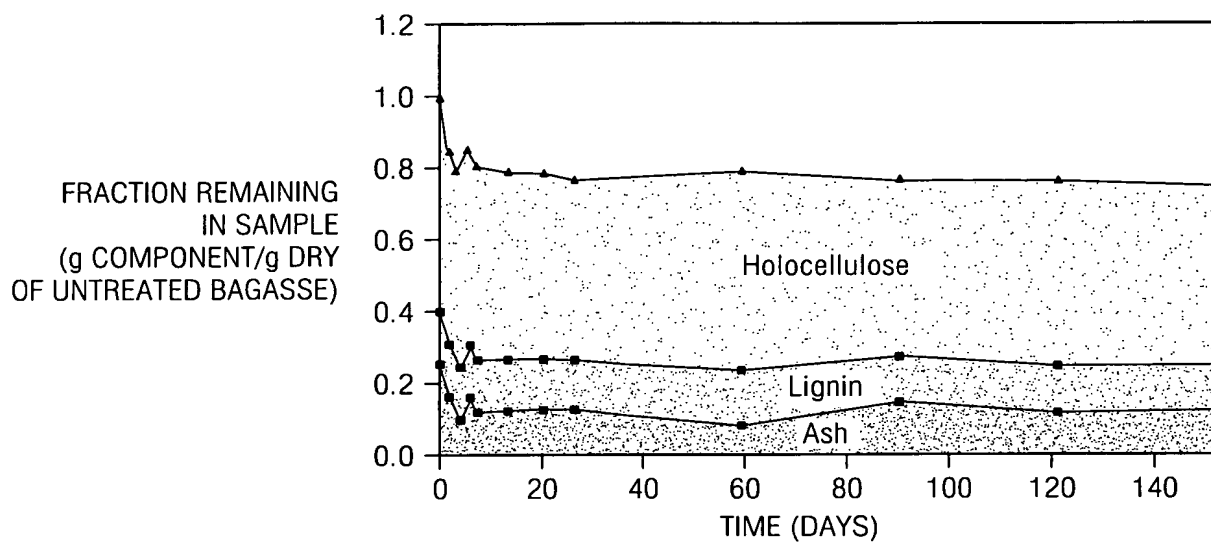
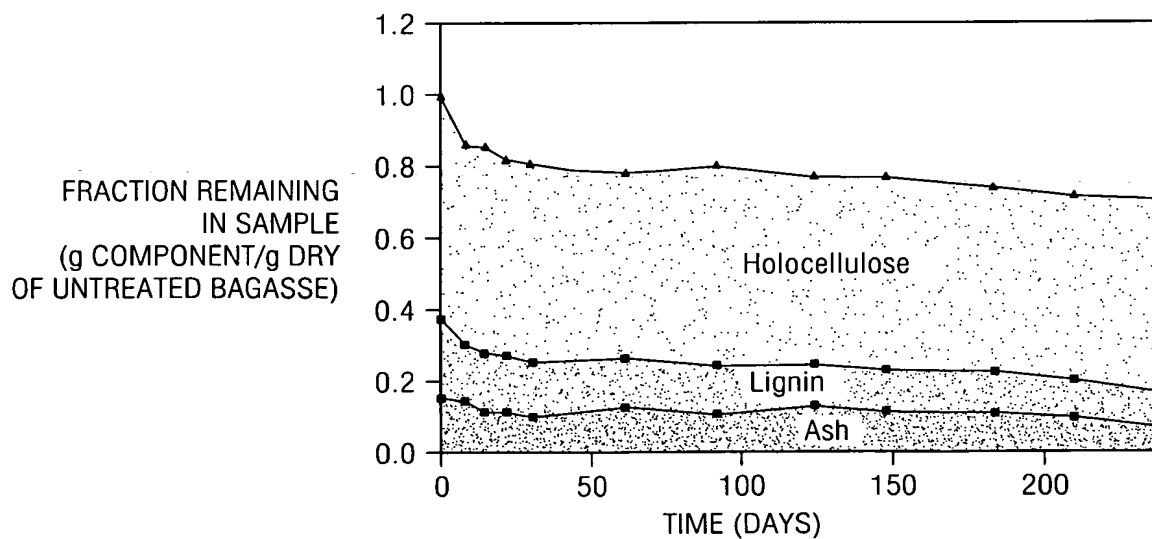


FIG. 22



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FIG. 23

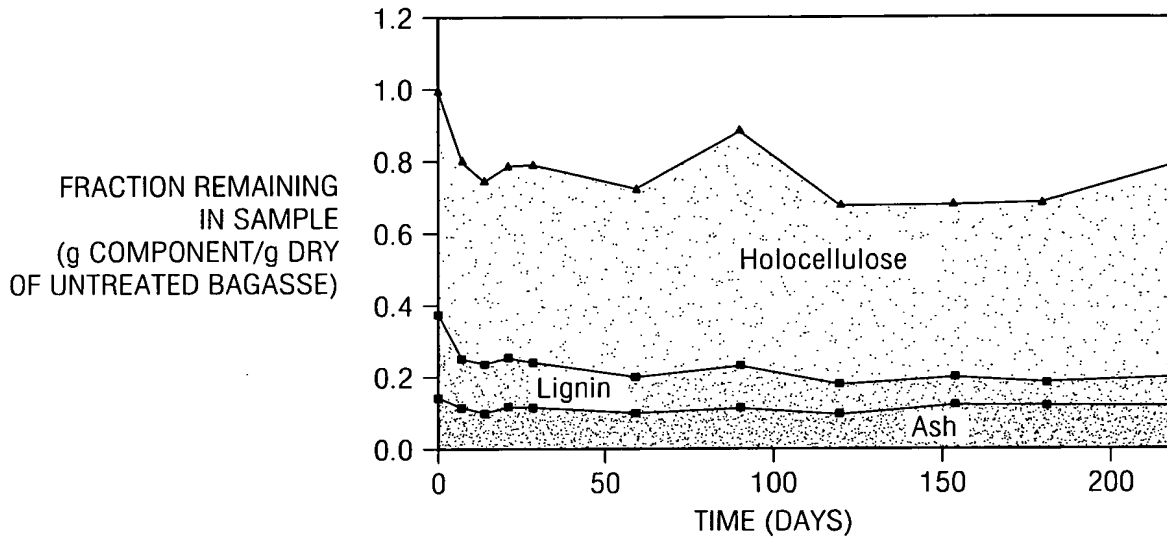
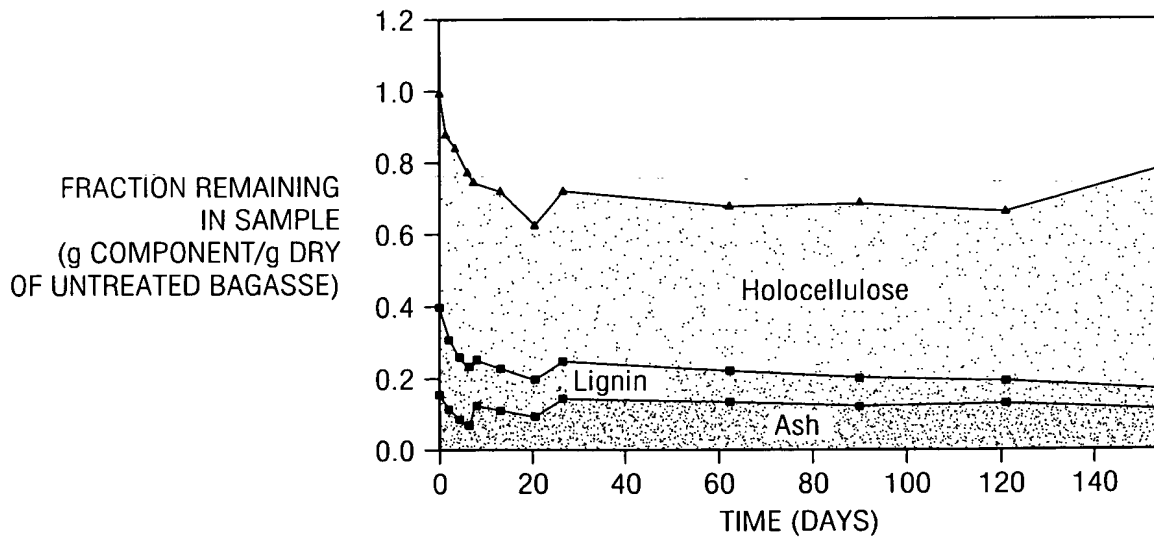


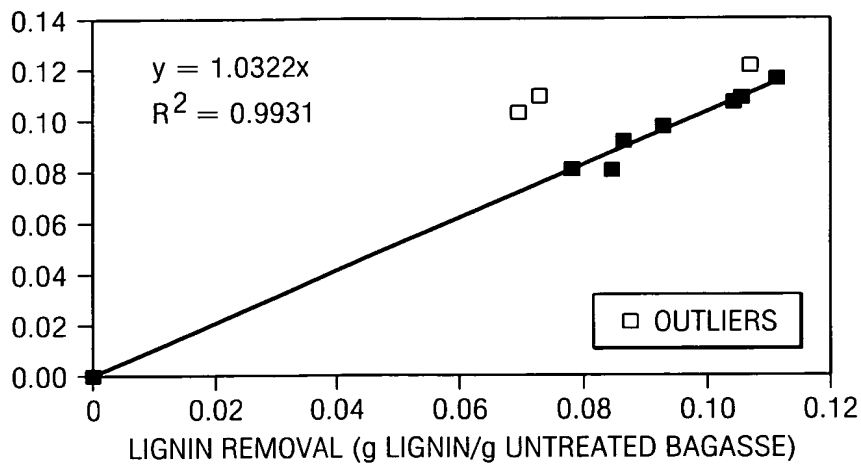
FIG. 24



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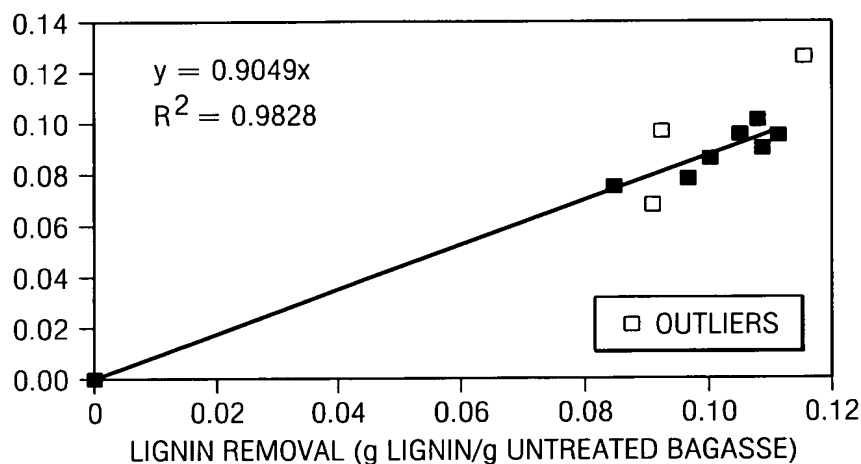
HOLOCELLULOSE LOSS  
 (g HOLOCELLULOSE/g  
 UNTREATED BAGASSE)

FIG. 25



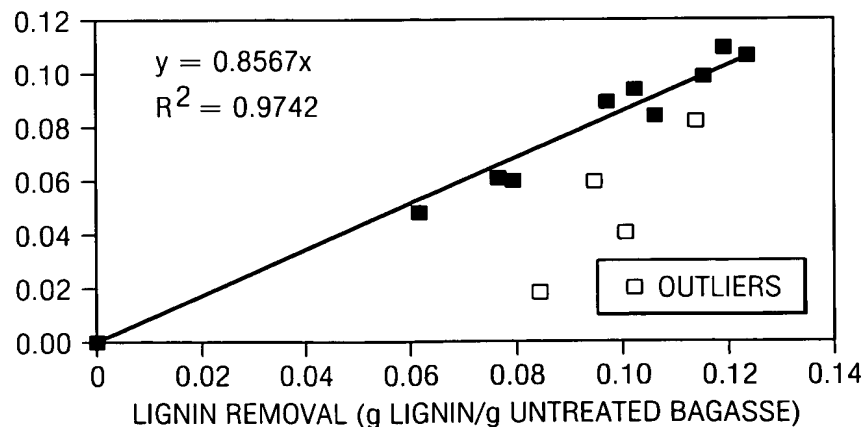
HOLOCELLULOSE LOSS  
 (g HOLOCELLULOSE/g  
 UNTREATED BAGASSE)

FIG. 26

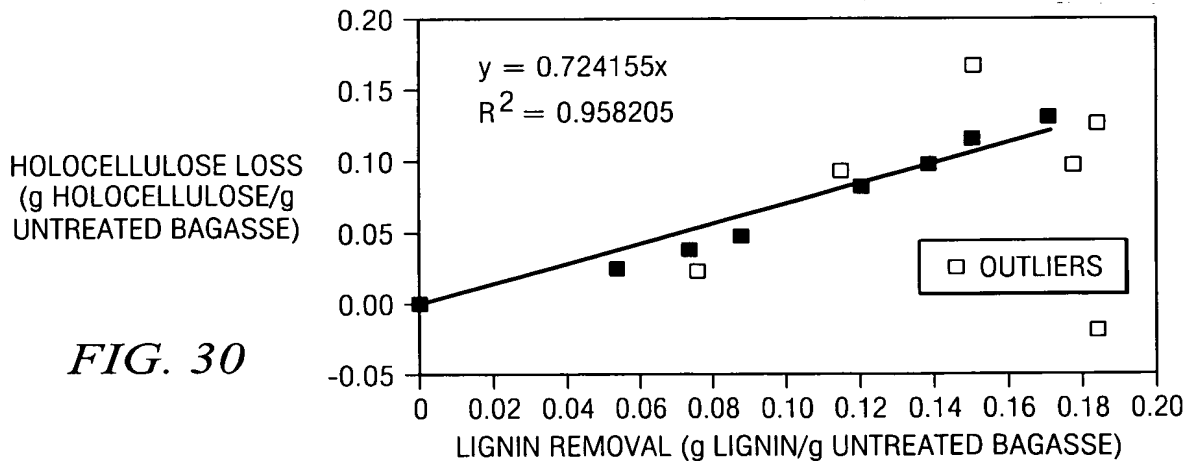
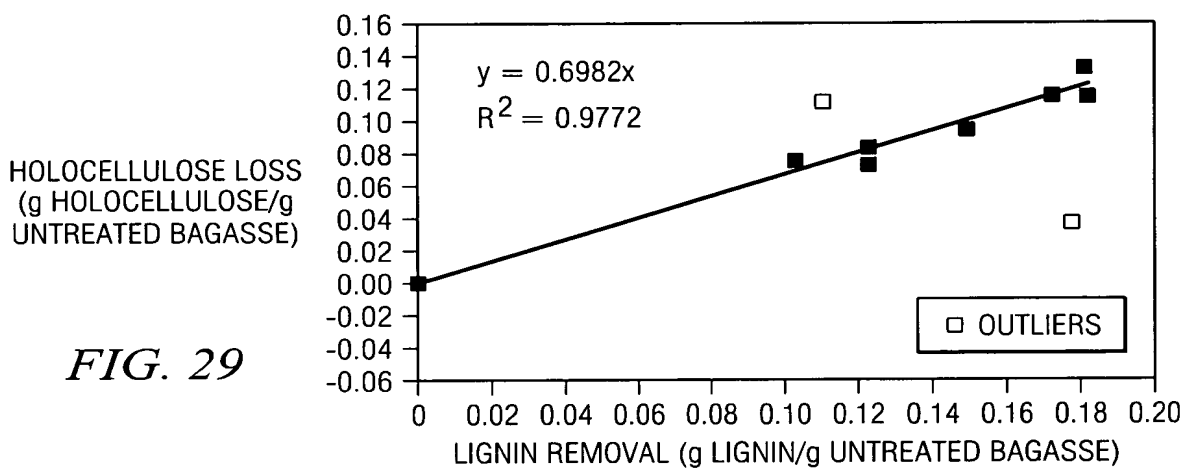
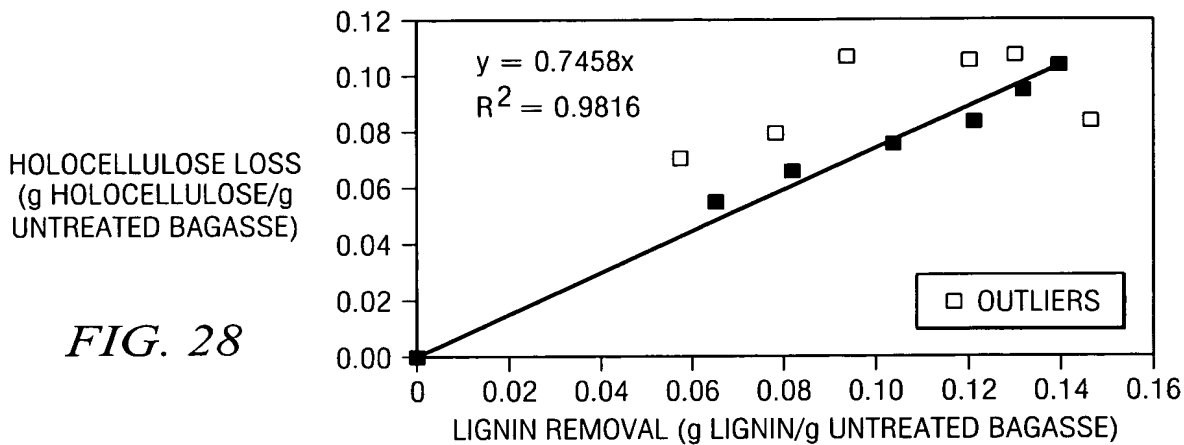


HOLOCELLULOSE LOSS  
 (g HOLOCELLULOSE/g  
 UNTREATED BAGASSE)

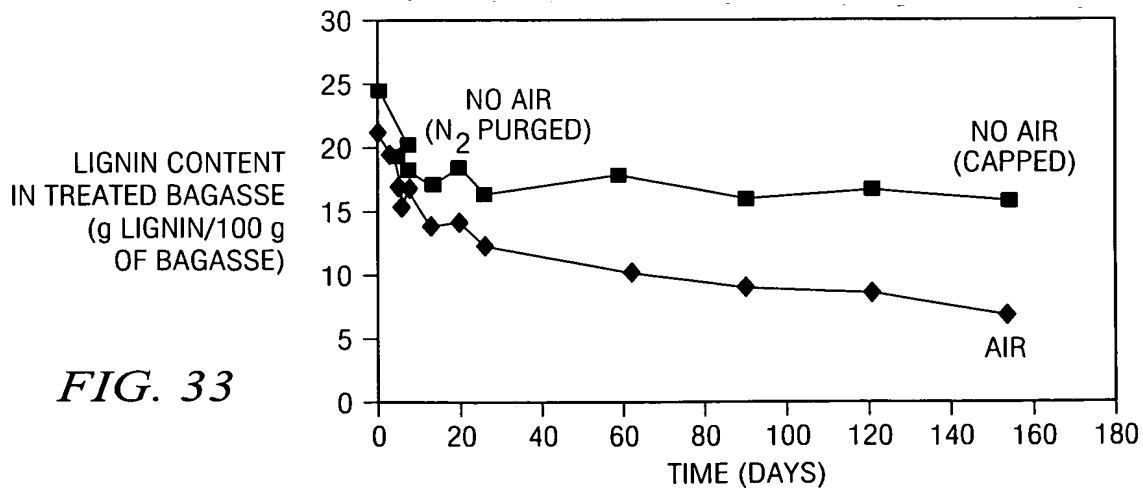
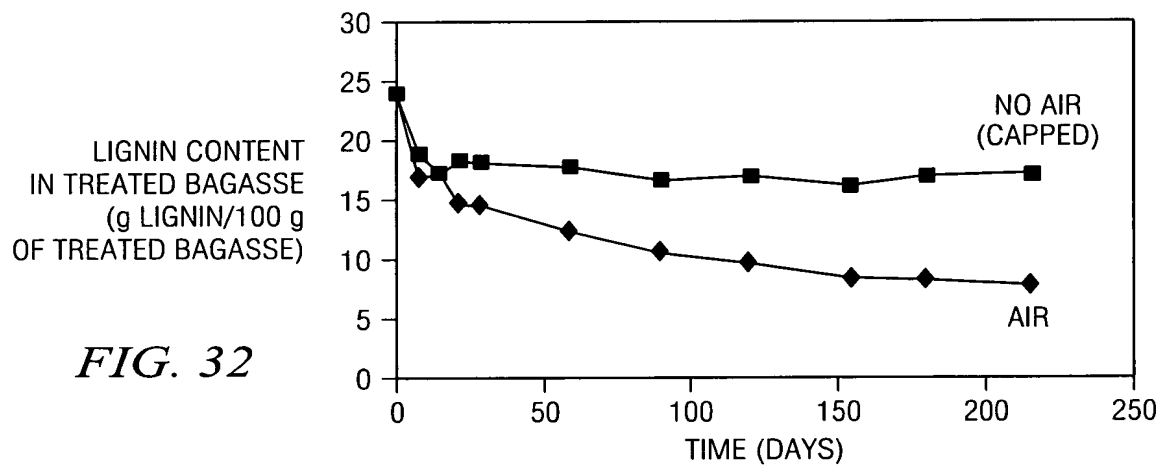
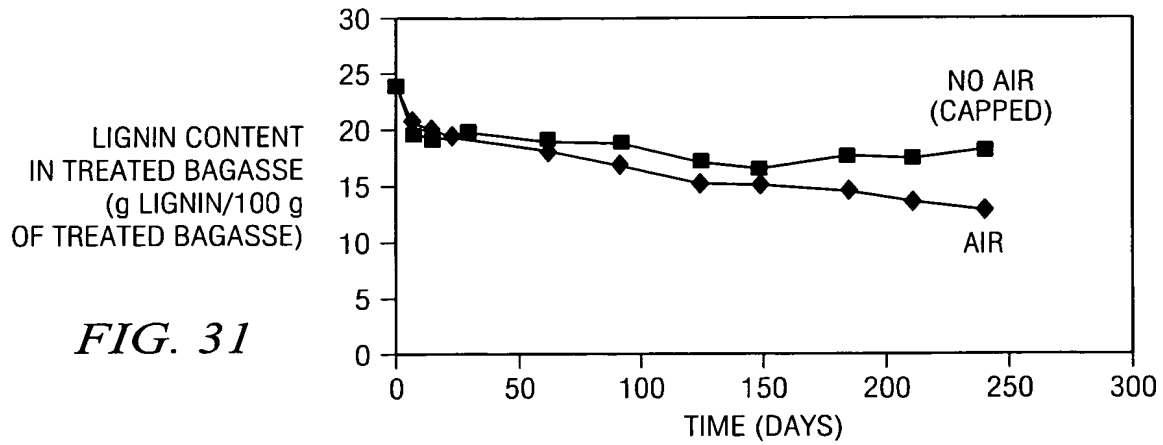
FIG. 27



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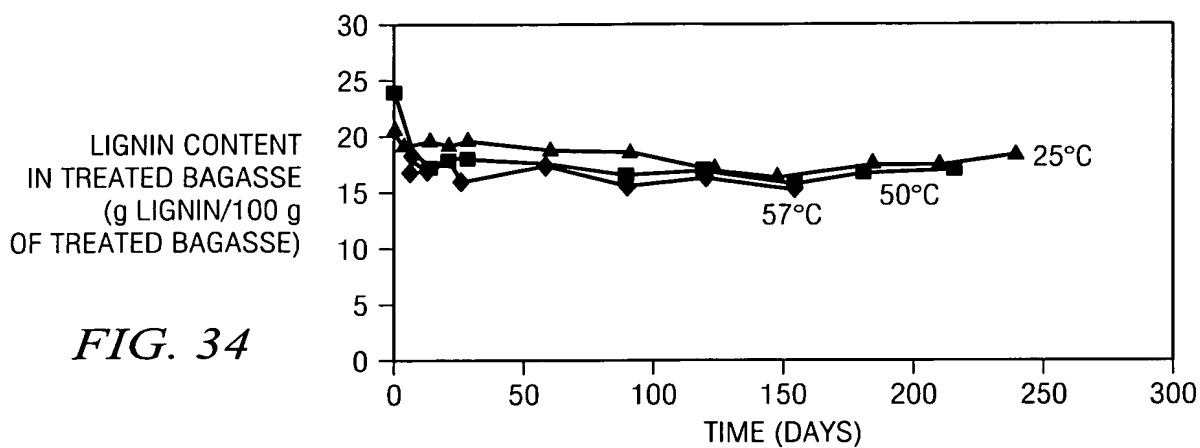


FIG. 34

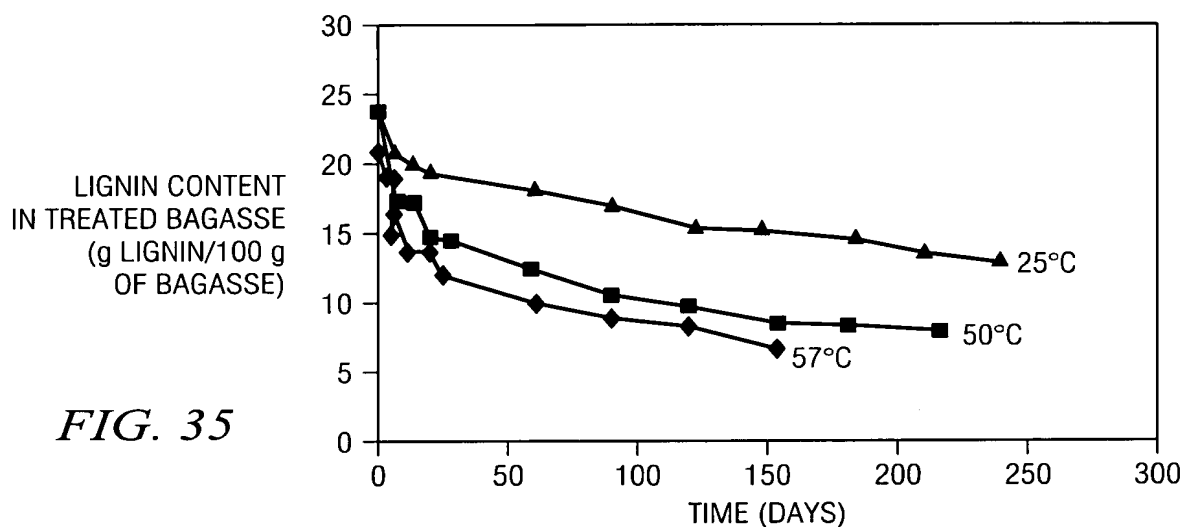


FIG. 35

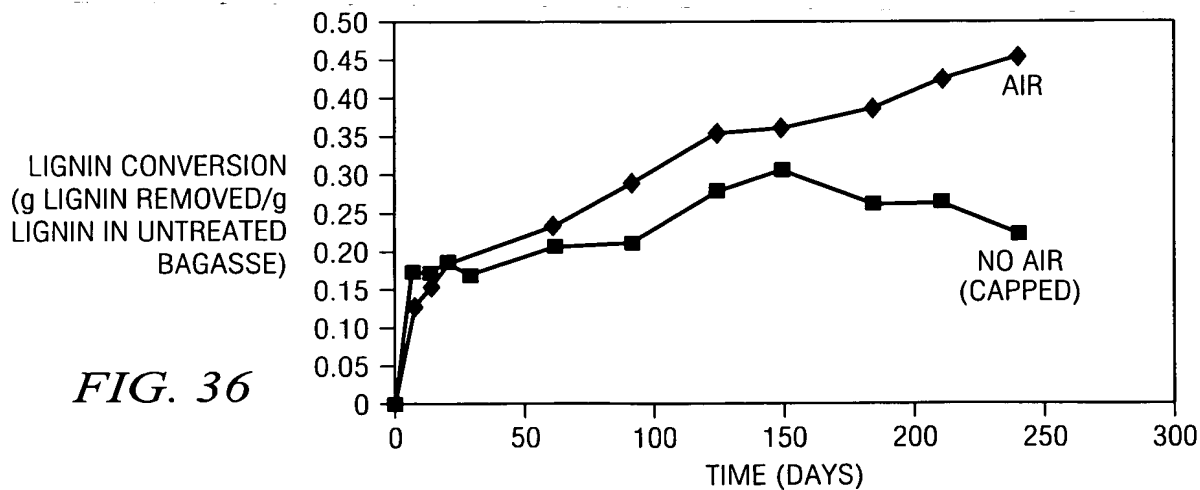
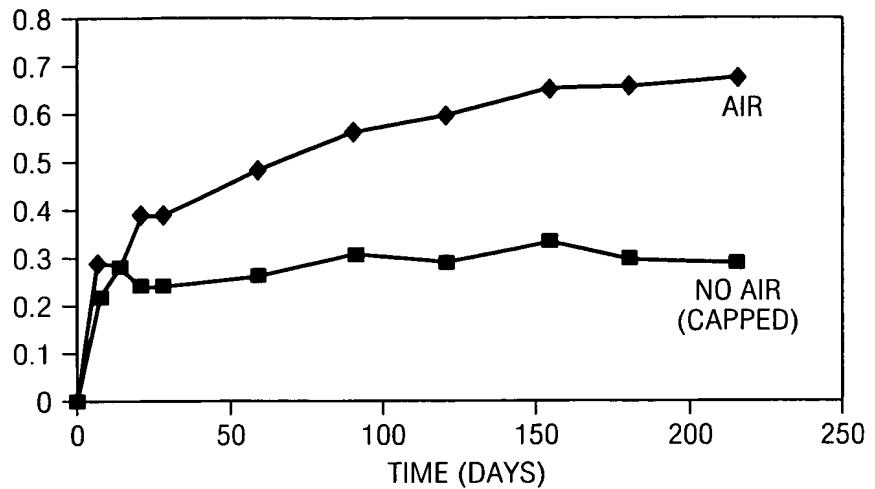


FIG. 36

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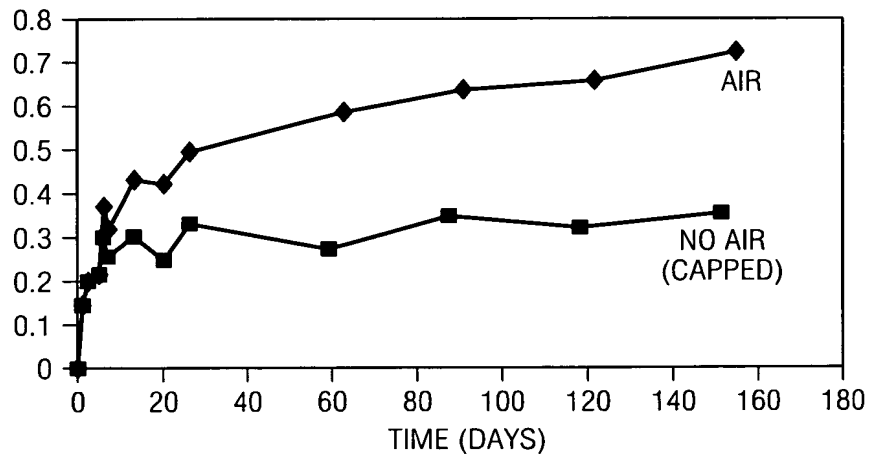
LIGNIN CONVERSION  
 (g LIGNIN REMOVED/g  
 LIGNIN IN UNTREATED  
 BAGASSE)

FIG. 37



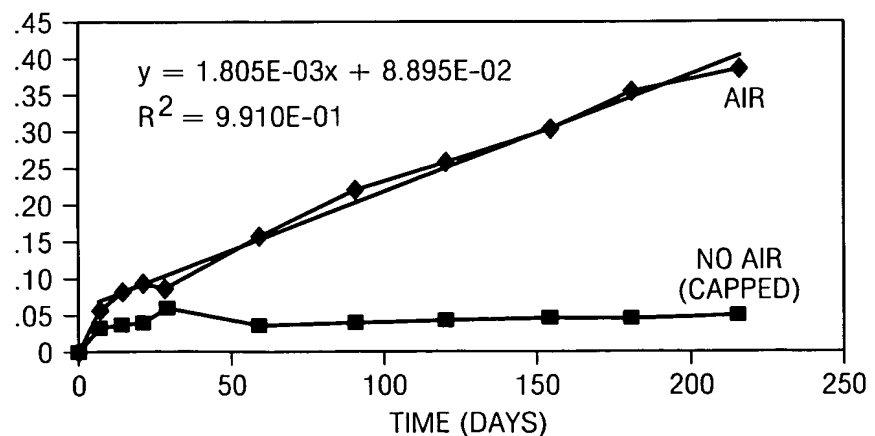
LIGNIN CONVERSION  
 (g LIGNIN REMOVED/g  
 LIGNIN IN UNTREATED  
 BAGASSE)

FIG. 38



LIME CONSUMPTION  
 (g Ca(OH)<sub>2</sub> CONSUMED/g  
 UNTREATED BAGASSE)

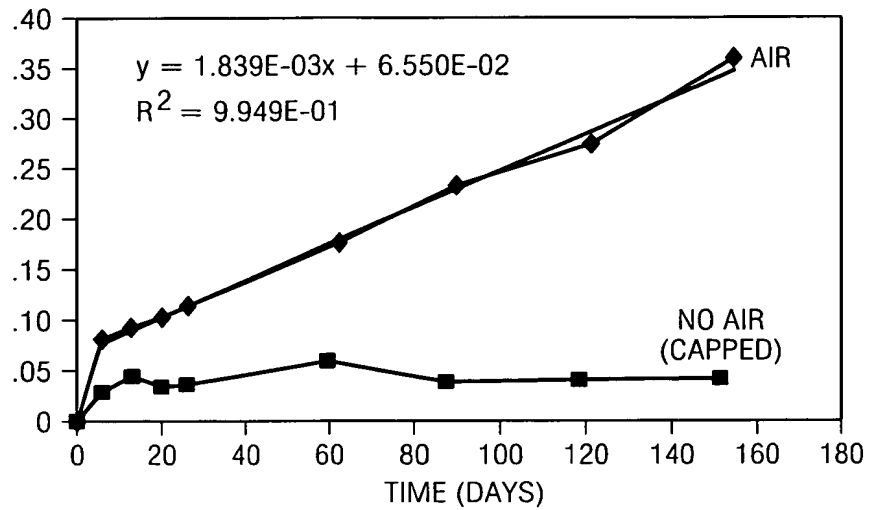
FIG. 39



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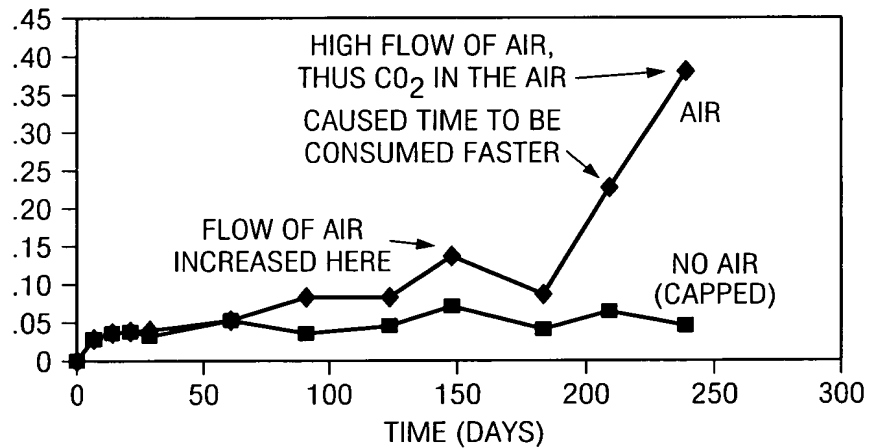
LIME CONSUMPTION  
 (g  $\text{Ca}(\text{OH})_2$  CONSUMED/g  
 UNTREATED BAGASSE)

FIG. 40



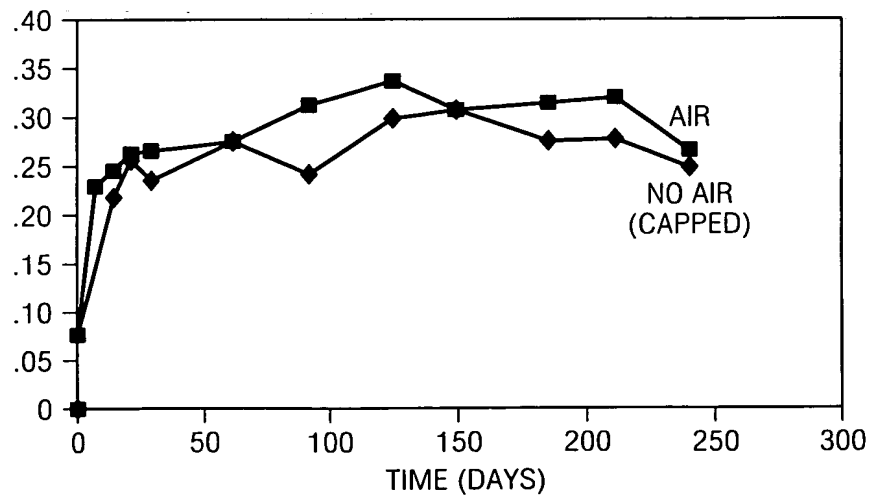
LIME CONSUMPTION  
 (g  $\text{Ca}(\text{OH})_2$  CONSUMED/g  
 UNTREATED BAGASSE)

FIG. 41



SUGAR YIELD  
 (g GLUCOSS+XYLOSE/g  
 DRY OF UNTREATED  
 BIOMASS)

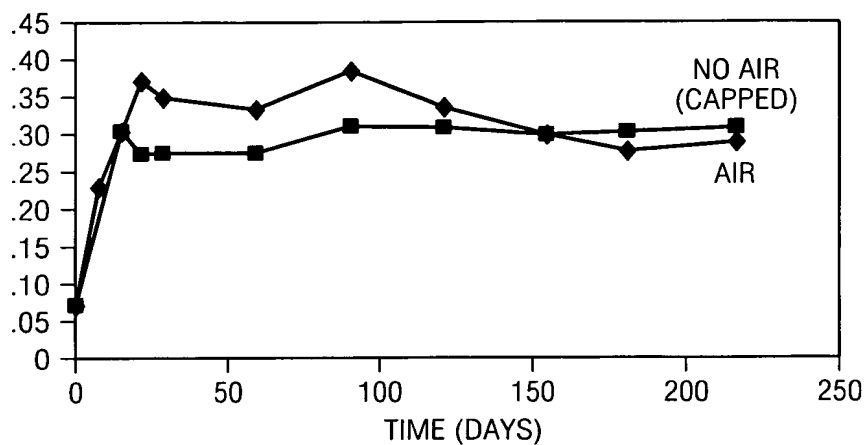
FIG. 42



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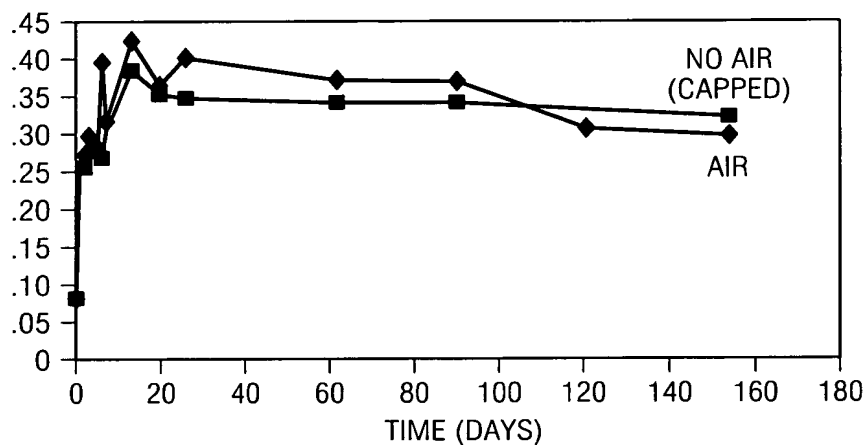
SUGAR YIELD  
 (g GLUCOSS+XYLOSE/g  
 DRY OF UNTREATED  
 BIOMASS)

FIG. 43



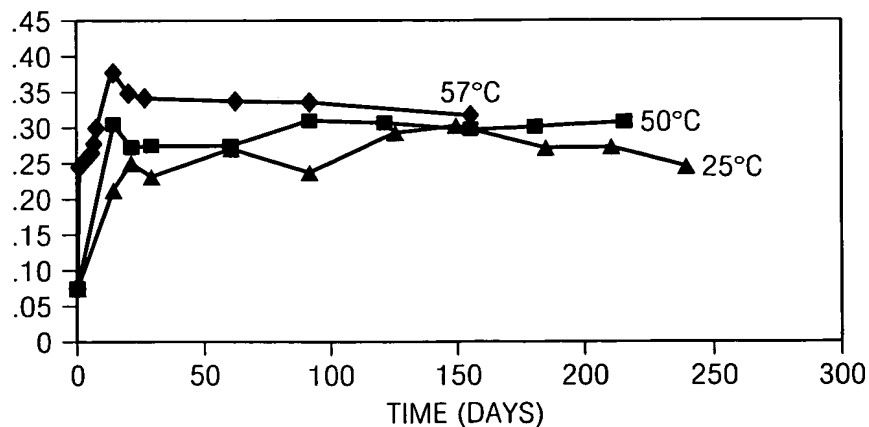
SUGAR YIELD  
 (g GLUCOSS+XYLOSE/g  
 DRY OF UNTREATED  
 BIOMASS)

FIG. 44



SUGAR YIELD  
 (g GLUCOSS+XYLOSE/g  
 DRY OF UNTREATED  
 BIOMASS)

FIG. 45



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FIG. 46

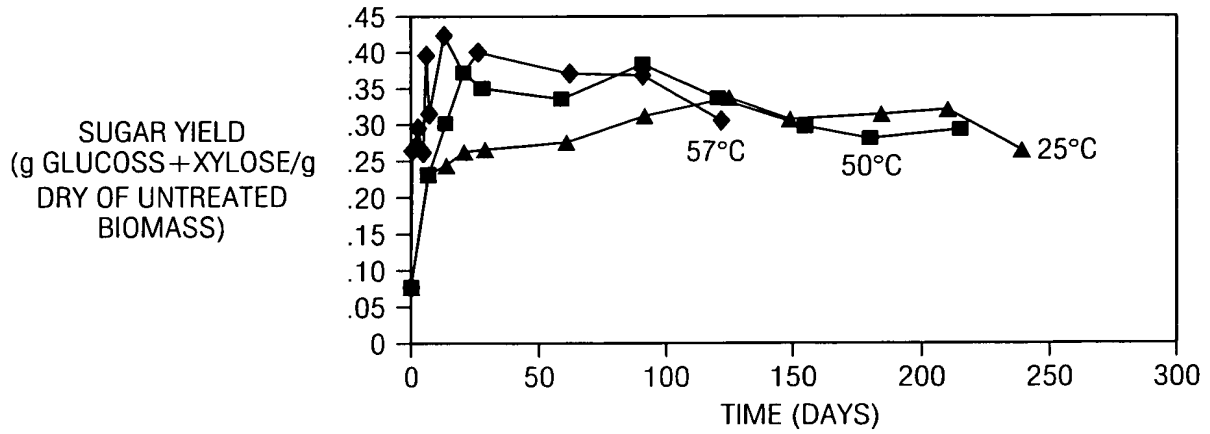
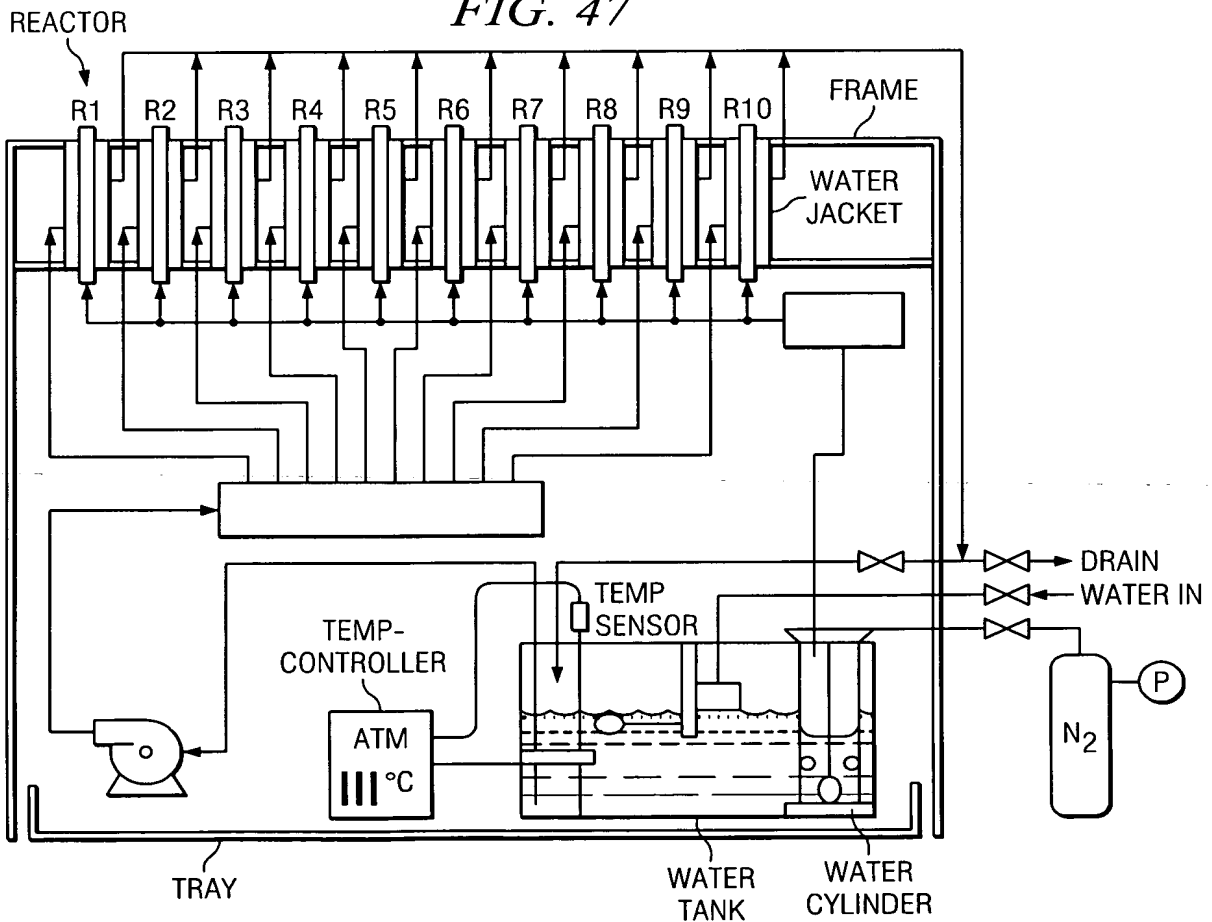


FIG. 47



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FIG. 48

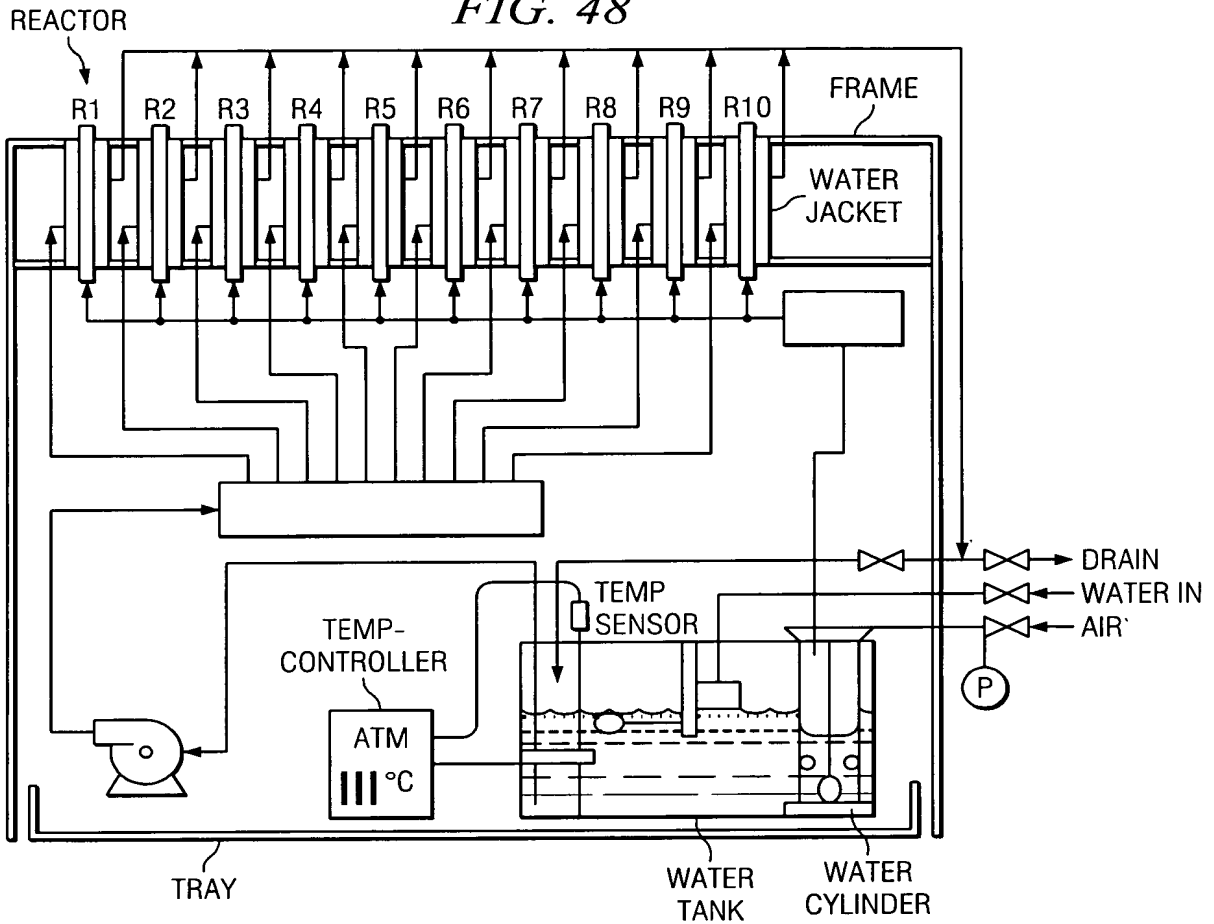
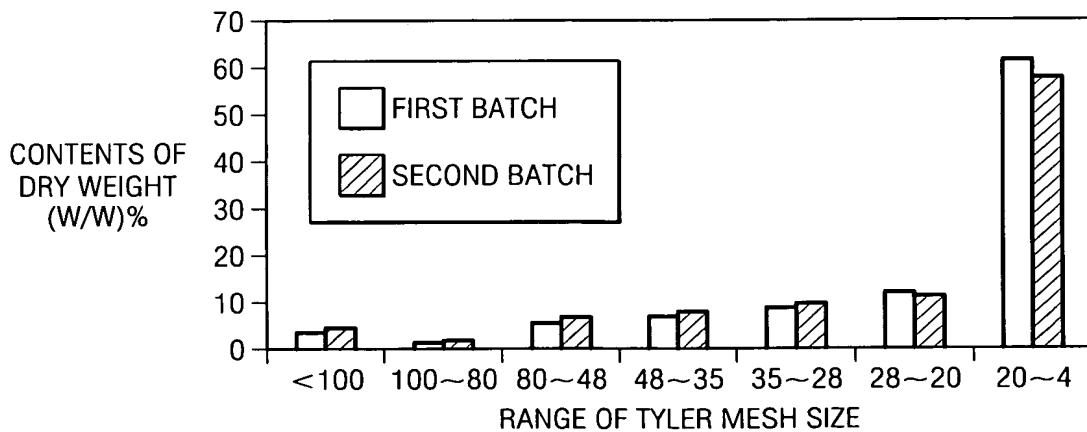
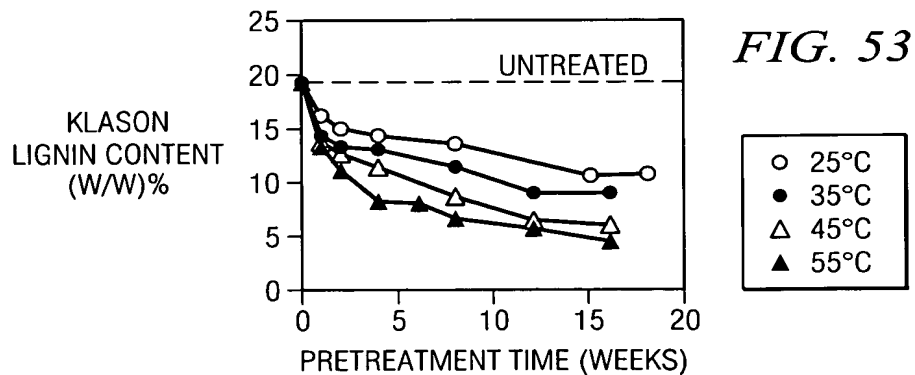
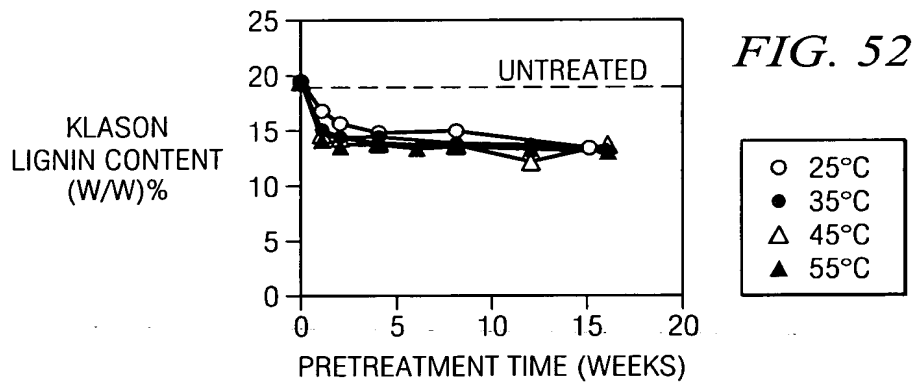
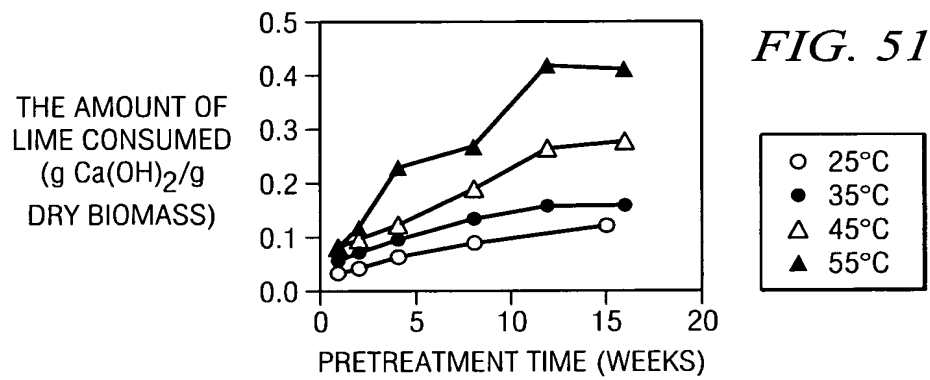
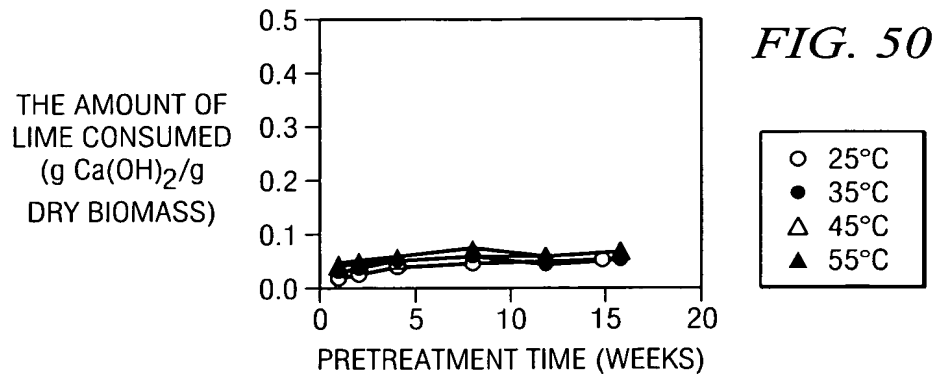


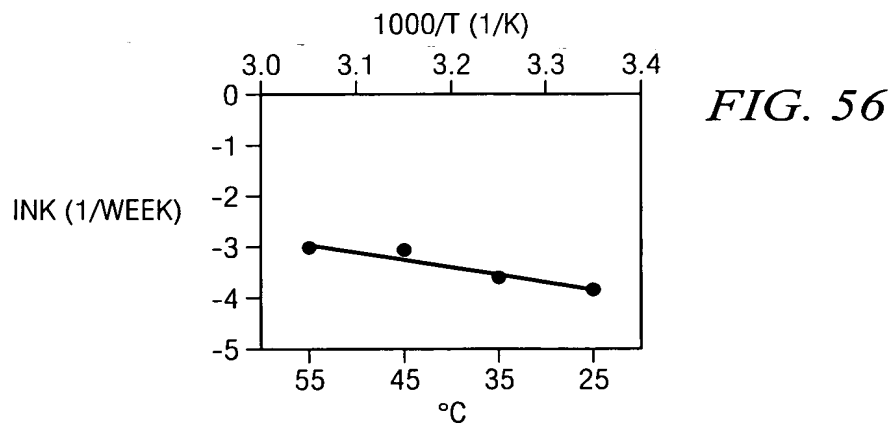
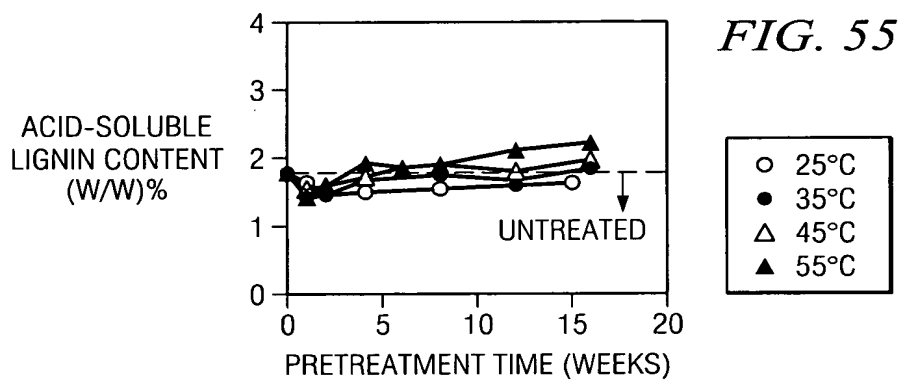
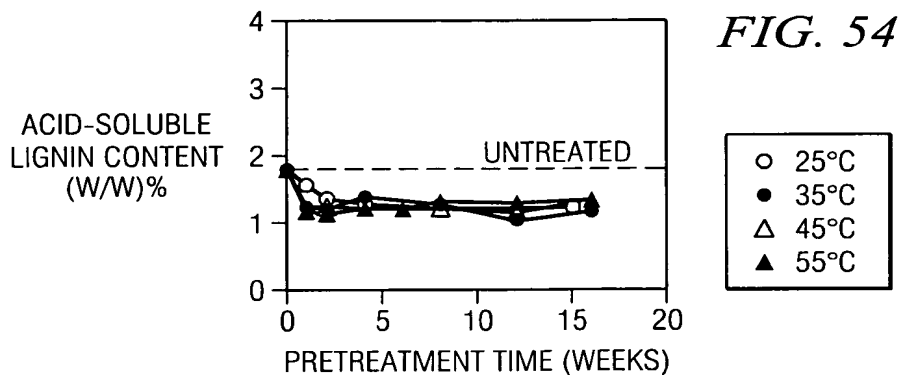
FIG. 49



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FIG. 57

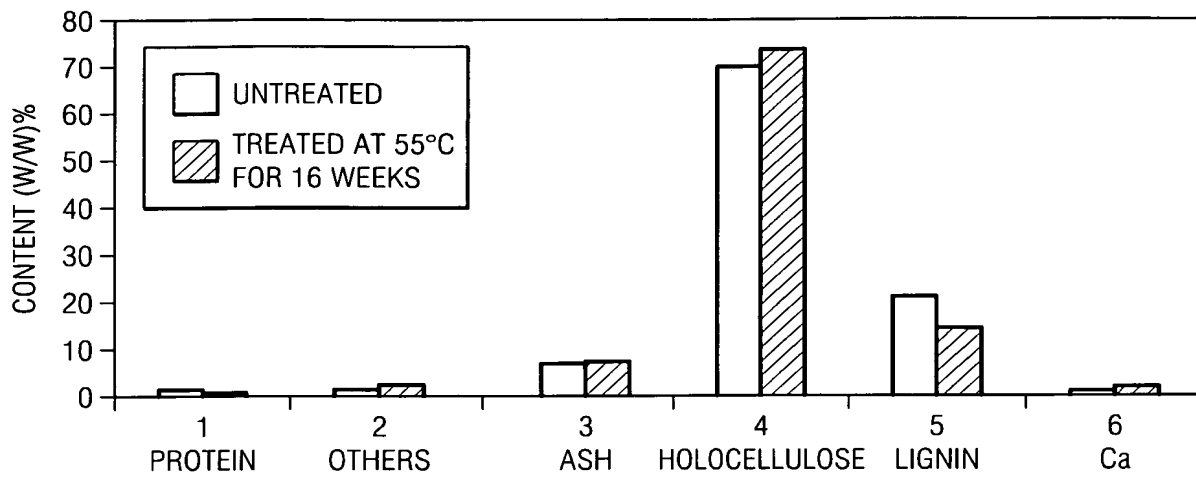


FIG. 58

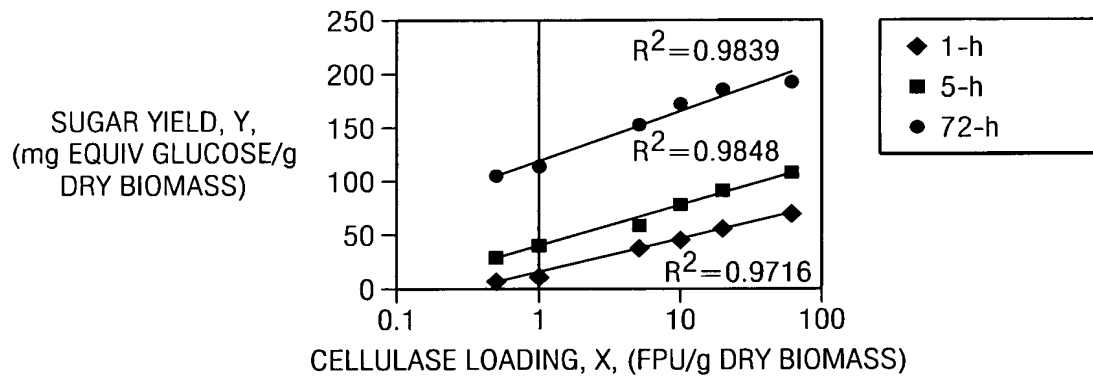
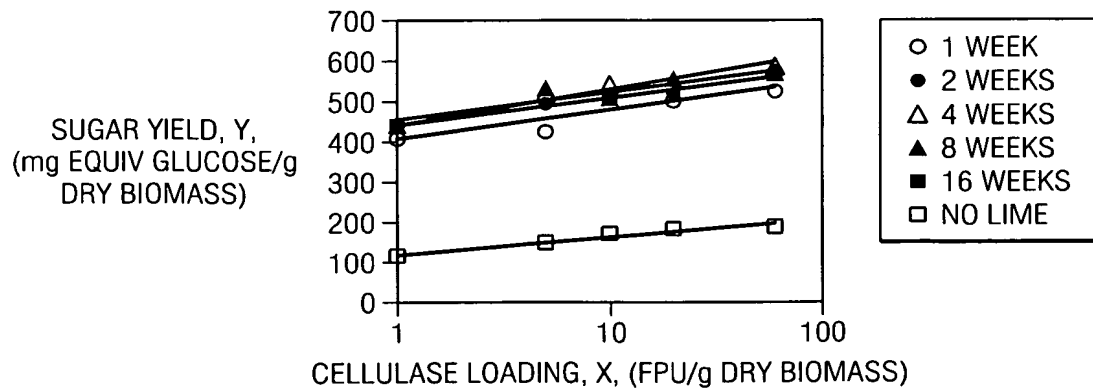


FIG. 59



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FIG. 60

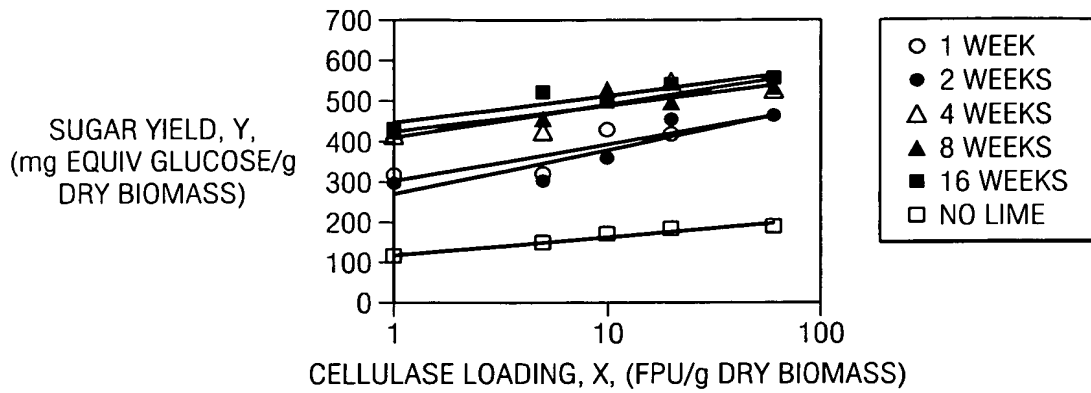


FIG. 61

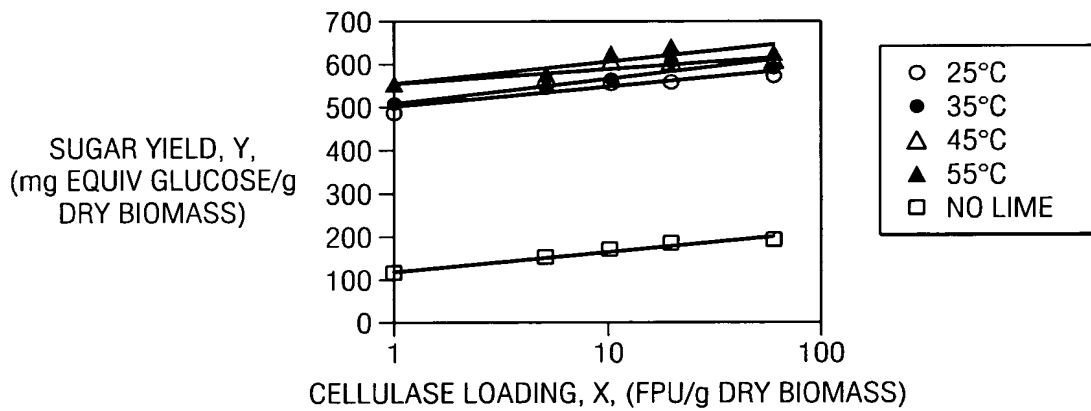
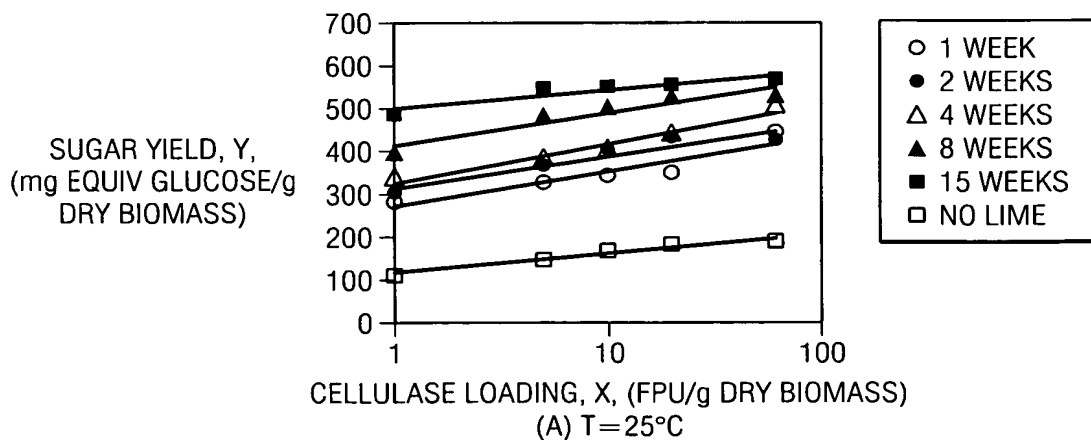


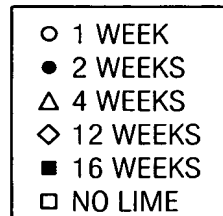
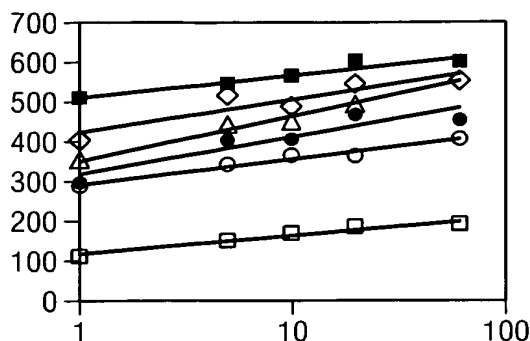
FIG. 62A



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**FIG. 62B**

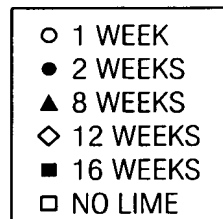
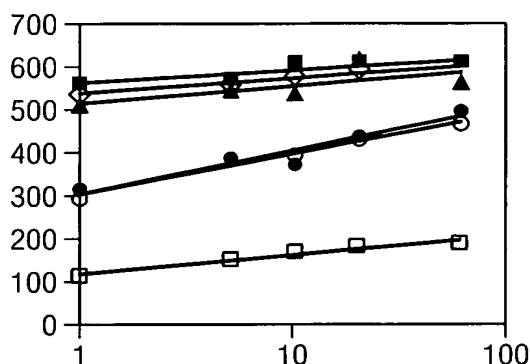
SUGAR YIELD, Y,  
 (mg EQUIV GLUCOSE/g  
 DRY BIOMASS)



CELLULOSE LOADING, X, (FPU/g DRY BIOMASS), (B) T=35°C

**FIG. 62C**

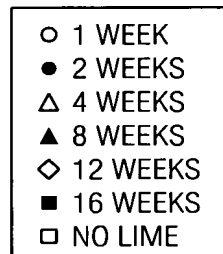
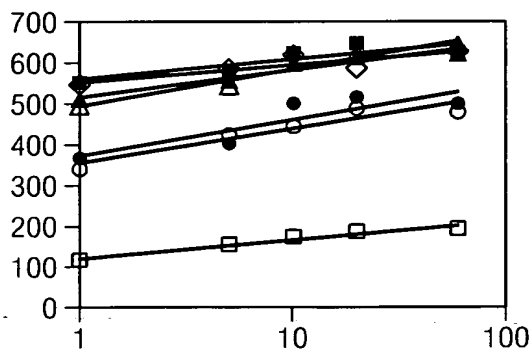
SUGAR YIELD, Y,  
 (mg EQUIV GLUCOSE/g  
 DRY BIOMASS)



CELLULOSE LOADING, X, (FPU/g DRY BIOMASS), (C) T=45°C

**FIG. 62D**

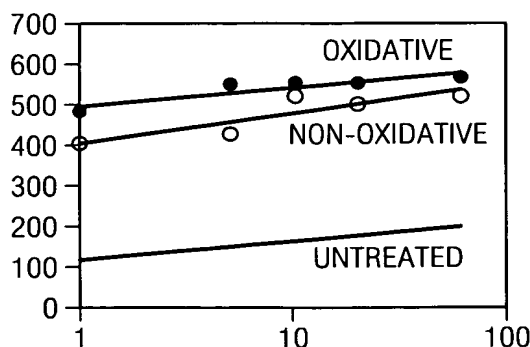
SUGAR YIELD, Y,  
 (mg EQUIV GLUCOSE/g  
 DRY BIOMASS)



CELLULOSE LOADING, X, (FPU/g DRY BIOMASS), (D) T=55°C

**FIG. 63A**

SUGAR YIELD, Y,  
 (mg EQUIV GLUCOSE/g  
 DRY BIOMASS)



CELLULOSE LOADING, X, (FPU/g DRY BIOMASS), (A) T=25°C

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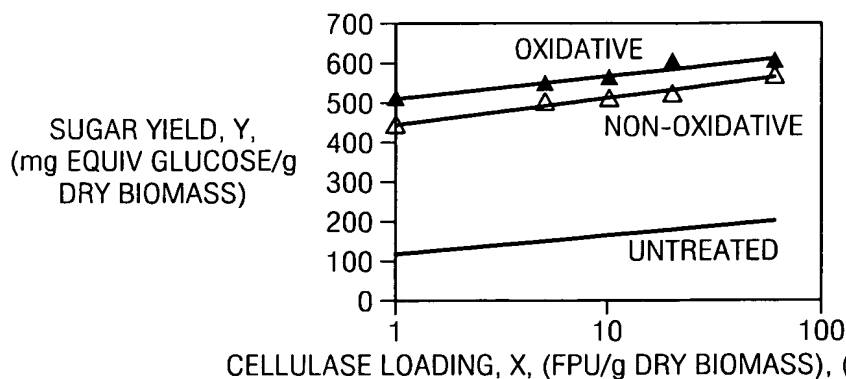


FIG. 63B

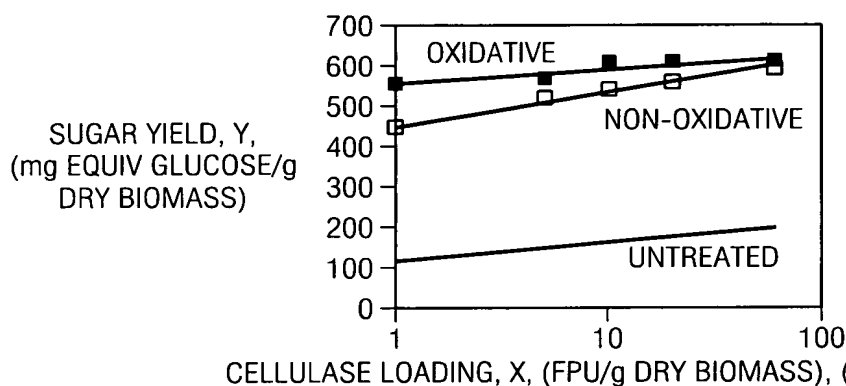


FIG. 63C

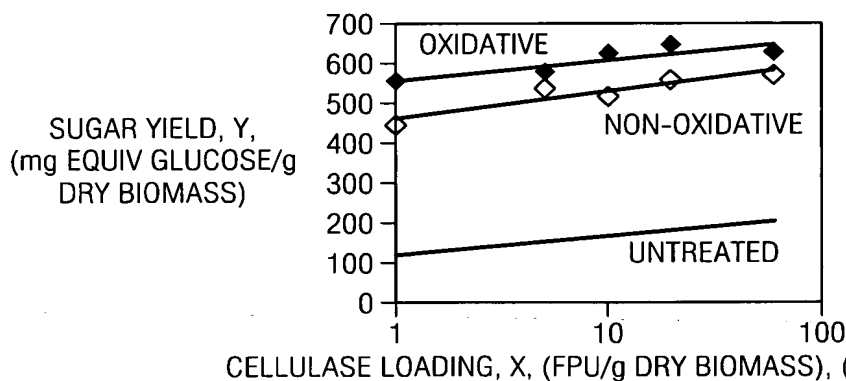


FIG. 63D

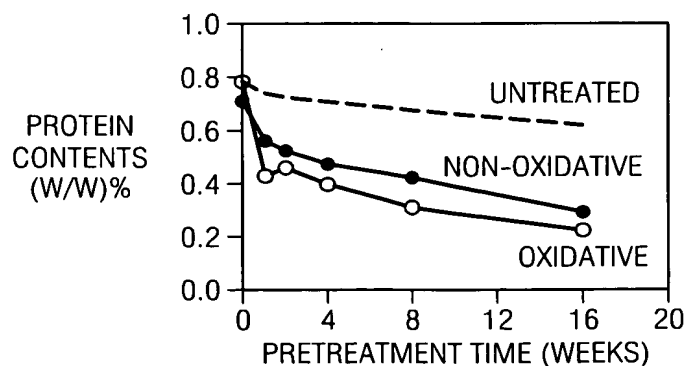


FIG. 64